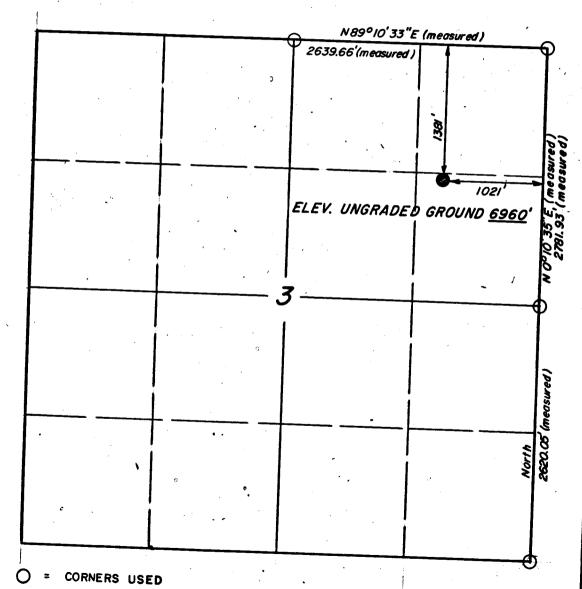
SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

THE STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

	DIVISION OF	OIL & GAS CO	NSERI	ATION			5. LEASE DESIGNAT	TION AND SERIAL NO.
APPLICATION	Y FOR PERMIT	TO DRILL,	DEEPI	EN, OR P	LUG E	BACK	6. IF INDIAN, ALLO	TTEE OR TRIBE NAME
1a. TYPE OF WORK	ILL 😨	DEEPEN	\neg	DI I	UG BA	רע ו	7. UNIT AGREEMES	T NAME
b. TYPE OF WELL	ice &	DEEPER		PLI	UG BA			
OIL X G	AS OTHER		SI	NGLE K	MULTII ZONE	LE	8. FARM OR LEASE	NAME
2. NAME OF OPERATOR							J. Ti	dwell
Flying Dia	mond Corpora	ation, Sui	te 2	480, Co	lorad	lo	9. WELL NO.	
3. ADDRESS OF OPERATOR							1	
	way, Denver					dg.	10. FIELD AND POO	DL, OR WILDCAT
4. Ldc6n0b9 of WELL (R	eport location clearly a	nd in accordance wi	h any S	itate requireme	nts.*)		Alta	mont
THE NAME OF THE PARTY OF THE PA	NF 1	/4 Sec. 3,	т1С	D A W			11. SEC., T., B., M., AND SURVEY O	
At proposed prod. zon	1381	' FNL 1021	' FE	, K4W L 58	T WE	4		
14. DISTANCE IN MILES	·-						Sec. 5, 1	1S, R4W USI
	northwest of						Duchesne	Utah
15. DISTANCE FROM PROP	OSED*	LAILOHAH	16. NO	OF ACRES IN	LEASE	17. NO. (OF ACRES ASSIGNED	Utan
LOCATION TO NEARES PROPERTY OR LEASE LIN	E, FT.	*		40			HIS WELL	640
(Also to nearest drlg 18. DISTANCE FROM PROF				OPOSED DEPTH		20 2074	RY OR CABLE TOOLS	
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,			000			Rotary	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)						1	WORK WILL START*
6960 ' u	ngraded grou	ınd					Feb.	22, 1973
		PROPOSED CASI	NG ANI	CEMENTING	PROGRA	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	тоот	SETTING D	EPTH		QUANTITY OF C	MENT
17-1/2"	13-3/8	68#		360	1	Ci	rc.	
12-1/4"	9-5/8	40#		7500	<u>'</u>	То	surface	
						_		
	7-5/8"		3.7				0 sxs.	
6-1/2"	5-1/2" line	r 23#		17000		30	0 sxs.	
countered	well is pro in Wasatch l rogram will	Form ation.					il & has s	hows en_
		Size	ΑP	I Serie	s	· L	Style	
	the grant of				-			
0 - 750		12"	9	00			Double Hyd	raulic
0 - 750		12"	9	00			Hydril	
7500-TD		10"	15	00			Cameron QR	tC
7500-TD		10"	15	00			Hydri1	
IN ABOVE SPACE DESCRIBE zone. If proposal is to preventer program, if an 24.	drill or deepen direction							
SIGNED	Thewer.	<u></u>	LE Dr	illing	& Pro	d. Mg	r. DATE	'-21-73
(This space for Fede	ral or State office use)		124					
PERMIT NO.				APPROVAL DATE				
APPROVED BYCONDITIONS OF APPROV	AL, IF ANY:	TI1	LE			<u> </u>	DATE	

139-8 9-20-72 *See Instructions On Reverse Side

TIS, RAW, U.S.M.



SURVEY PERFORMED 14 & 15 FEB., 73

FLYING DIAMOND

WELL LOCATION IN THE SE V4 NE 1/4
SECTION 3, T/S, R4W, U.S.M., DUCHESNE
COUNTY, UTAH

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

REGISTRATION Nº 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING P.O. BOX Q ~ 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078

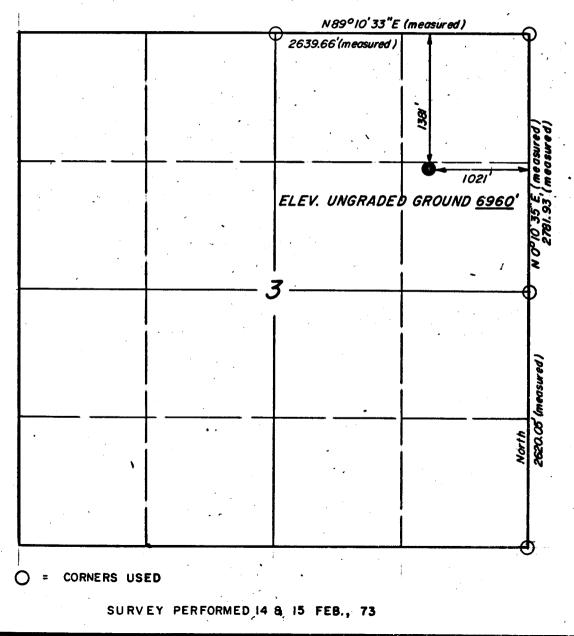
SCALE 1000'	DATE 20 FEB. 73
PARTY BR BB RR	REFERENCES G L O PLAT
WEATHER	FILE

SUBMIT IN TRIPLICATE*

(Other instructions on

		E STATE OF U OF NATURAL			her instru reverse s				
	DIVISION OF					ļ	5. LEASE DES	IGNATION	AND SERIAL NO.
APPLICATIO	N FOR PERMIT	TO DRILL, I	DEEPE	N, OR P	LUG E	BACK	6. IF INDIAN,	ALLOTTE	OR TRIBE NAME
1a. TYPE OF WORK							7. UNIT AGRE	EWENT N	. W.
b. TYPE OF WELL	RILL x	DEEPEN [PLI	JG BA	CK 🗀	V. CALL AGES	EMBAT N	A.B.
	GAS OTHER		81	NGLE K	MULTIP ZONE	rm [8. FARM OR I	EASE NAI	(I)
2. NAME OF OPERATOR	· · · · · · · · · · · · · · · · · · ·						Ј.	Tidw	e11
	amond Corpor	ation, Sui	te 2	480, Co	lorad	.0	9. WELL NO.		
3. ADDRESS OF OPERATOR		Colo 90:	202	D.o.	- 1. D 1	J_		1	
	lway, Denver Report location clearly a	-			nk B1	ag.	10. FIELD AND	•	
At surface					nts.*)			tamo	
	NE 1	/4 Sec. 3,			a be fase.	1	11. SEC., T., B AND SURV	., M., OR I EY OR AR	elk. Ea
At proposed prod. zo	1381 Caca	' FNL 1021	FE.	[F WF	4	C	т1 с	DAW HC
	AND DIRECTION FROM NI	CAREST TOWN OR POST	OFFICE	• _			12. COUNTY OF	R PARISH	, R4W US
1-3/4 mi.	northwest of	f Altonah					Duchesr		Utah
15. DISTANCE FROM PROP LOCATION TO NEARES	OSED*		16. No.	OF ACRES IN	LEASE		F ACRES ASSIGN		Ocan
PROPERTY OR LEASE LI (Also to nearest drig	NE, FT,		6	40		тотн	IS WELL	64	0
8. DISTANCE FROM PRO				POSED DEPTH		20. ROTAR	Y OR CABLE TO	OL8	
OR APPLIED FOR, ON TH	HIS LEASE, FT.		17,	000		F	lotary		
	nether DF, RT, GR, etc.)						1		K WILL START*
6960' ບ _{3.}	ıngraded groı	ınd	,			·	Fe	b. 2	2, 1973
		PROPOSED CASIN	G AND	CEMENTING	PROGRA	M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING D	ЕРТН		QUANTITY	OF CEMEN	T
17-1/2"	13-3/8	68#		360		Cir	c.		
12-1/4"	9-5/8	40#		7500	1	То	surface	;	
0 7 / 4 11	7 5 / 0 !!	00.7.							
	7-5/8" 5-1/2" lines		5./'	17000			sxs.		
			. 7. 0.				sxs.		
countered	well is proin Wasatch I	Form ation.				aii 01	ı q nas	s sno	ws en_
•	O	Size		I Serie:		:	+210		
			411	COLIE		2	tyle		
0 - 750	0 '	12"	90	00		ת .	ouble H	vdre	ulic
0 - 750	=	12"	9 (ydril	yulu	arre
7500-TD		10"	150	0 0			ameron	ORC	
7500-TD		10"	150	0 0		Н	ydril	•	
eventer program, if an	PROPOSED PROGRAM: If drill or deepen direction y.	proposal is to deepe ally, give pertinent	n or plu data on	ig back, give d subsurface loc	ata on presations and	esent produc d measured	ctive zone and and true vertic	proposed al depths	new productive . Give blowout
signed 21	7 lower;		_{r Dri}	lling 8	Pro	d. Mgr	• DATE	2-2	1-73
(This space for Fede	ral or State office use)								
PERMIT NO.			^	PPROVAL DATE					
APPROVED BYCONDITIONS OF APPROV	AL, IF ANY;	TITL	E			1	DATE		

TIS, R4W, U.S. M.



FLYING DIAMOND

WELL LOCATION IN THE SE U4 NE 1/4
SECTION 3, TIS, RAW, U.S.M., DUCHESNE
COUNTY, UTAH

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION Nº 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1000'	DATE 20 FEB. 73
PARTY BR BB RR	REFERENCES G L O PLAT
WEATHER CLEAR COLD	FILE

February 23, 1973

Flying Diamond Corporation Suite 2480 - Colorado Bank Building 1600 Broadway Denver, Colorado 80202

Re: S. Rust No. 1
Sec. 13, T. 1 S., R. 5 W., USM
J. Tidwell No. 1
Sec. 3, T. 1 S., R. 4 W., USM
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 139-8, dated September 20, 1972.

Should you determine that it will be necessary to plug and abandoned either of these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer HOME: 277-2890 OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to this request will be greatly appreciated.

The following API numbers have been assigned to these wells: S. Rust #1 - 43-013-30207 J. Tidwell #1 - 43-013-30208

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT DIRECTOR

CBF:jw Enclosures

cc; U.S. Geological Survey

OGCC-1 be				
STA	TE OF UTAH	SUBMIT IN TRIPLICATES (Other instructions on re-	<u> </u>	····
OIL & GAS CONS	ERVATION COMMISSION	verse side)	5. LEASE DESIGNATION	AND BERIAL NO.
	CES AND REPORTS ON als to drill or to deepen or plug back TION FOR PERMIT—" for such propos		6. IF INDIAN, ALLOTTER	OR TRIBE NAME
OIL GAS OTHER			7. UNIT AGREEMENT NA	MB
2. NAME OF OPERATOR			8. FARM OR LEASE NAM	.
Flying Diamond Corporat	ion		J. Tidwell	
8. ADDRESS OF OPERATOR			9. WELL NO.	
Suite 811-1776 Lincoln	Street-Denver, Colora	ado 80203	#1	
 LOCATION OF WELL (Report location cl- See also space 17 below.) 			10. FIELD AND POOL, OF	WILDCAT
At surface			Altamont	
			11. SEC., T., R., M., OR B SURVEY OR ARMA	LE. AND
SE NE Sec. 3, TlS, R4W	1381' FNL & 1021' FE	<u> </u>	Sec. 3, TlS,	
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT,	GR, etc.)	12. COUNTY OR PARISH	18. STATE
	6960' Ungra	aded Ground	Duchesne	Utah
16. Check Ap	propriate Box To Indicate Natu	re of Notice, Report, or O	ther Data	
NOTICE OF INTENT	ION TO:	SUBSEQU	ENT REPORT OF:	
	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	

PRACTURE IREAL		MULTIPLE COMPLETE		FRACTURE TREATMENT	ALIERING CASING	\vdash	
SHOOT OR ACIDIZE		ABANDON*		SHOOTING OR ACIDIZING	ABANDONMENT*		
REPAIR WELL		CHANGE PLANS		(Other) Progres	ss Report	XX	
(Other)				(Note: Report results of m Completion or Recompletion		ıi	

Summary of Operations 10-1-73 to 10-31-73 (Con't)

- 10-28-73 Completed trip in, washed 120' of fill to 14,745'. Did not tag plug. Circ. btms. up. Started out of hole.
- 10-29-73 Completed trip in, reversed & cleaned out to Bkr. Plug. POH. Layed down 14" D.P. Nippled down BOP.
- 10-30-73 Nipple up Christmas Tree. Plastic packed tubing hanger. Attempted to pull equalizing prong. Ran bailer. Found 2 small pieces of rubber in bailer. Ran bailer, recovered fine grained sand & mud.
- 10-31-73 Ran bailer, ran overshot. Recovered equalizing prong from Baker Plug. Latched out plug. Jarred 3½ hrs. released overshot, cut line, ran in, latched on to plug. Jarring on same for 4 hrs.

8 I hereby certify that the foregoing is true and correct SIGNED R. L. Flowers, Jr.	TITLE Drlg. & Prod. Mgr.	DATE 3-7-73
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

^{17.} DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

orm OGCC-1/b.	TATE OF UTAH	SUBMIT IN TRIPLICATE.	
/ /	SERVATION COMMISSI	(Other instructions on re-	5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NO	OTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTER OR TRIBE NAME
(Do not use this form for pro Use "APPLI	posals to drill or to deepen or plug to ICATION FOR PERMIT—" for such p	ack to a different reservoir. roposals.)	
I. OIL GAS OTHER			7. UNIT AGREEMBNT NAMB
2. NAME OF OPERATOR			8. FARM OR LEASE NAME
Flying Diamond Co	orporation		J. Tidwell 9. wall No.
4. LOCATION OF WELL (Report location	uite 2480, Denver,	Colorado	# 1 10. FIELD AND FOOL, OR WILDCAT
See also space 17 below.) At surface		work and an	Altamont
NE¼ 1381' FNL & 1021'	FEL		11. BEC., T., B., M., OR BLX. AND SURVEY OR ARMA
14. PERMIT NO.	15. ELEVATIONS (Show whether DF,	Do do obo	3-1S-4W, U.S.M. '
	6960 ungraded	· · ·	Duchesne Utah
16. Check A	Appropriate Box To Indicate N	ature of Notice, Report, or C	ther Data
NOTICE OF INT	INTION TO:	UPERUR	ENT REPORT OF:
TEST WATER SHUT-OFF FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REFAIRING WELL ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
(Other)	CHANGE PLANS	(Other)	of multiple completion on Well
17. DESCRIBE PROPOSED OR COMPLETED OF proposed work. If well is direct nent to this work.) *	PERATIONS (Clearly state all pertinent iionally drilled, give subsurface locati	details and give nortinent dates	
	ions 3-1-73 - 3-31	- 73:	
3-6-73 - Spudded	4:00 a.m.		
$\frac{3-9-73}{3-1}$ - Ran 9 jt	s. 13-3/8" 68#, K-	55, ST&C, set at 3	376' KB, cemented
<u>3-10-73</u> - Cementing	s. 50-50 Pozmix, 3 g 13-3/8" casing, 1	W.O.C.	
	cement, float & n ud & LCM, depth 14		1050'.
<u>3-13-73</u> - 1575! - 1	Mixing mud & LCM.		
	Washing to bottom. Nippling up air hea	ad: rig up air hea	ad & compressors
3-31-73 - 6263' - 1	Washing & reaming.	, <u>.</u>	a compressors.
18. I hereby certify that the foregoing	to two and accord		
SIGNED	D. D.	rilling &	E 4 72
(This space for Federal or State of		roduction Manager	DATE 5-4-73
APPROVED BY			
CONDITIONS OF APPROVAL, IF .	ANY:		DATE

SUBMIT				
(Other	instr	uctions	on	re-

	OIL & GAS CONS	SERVATION COMMI	SSION verse side)	5. LEASE DESIGNATION AND SERIAL	10.
		ICES AND REPORT	SON WELLS olug back to a different reservoir. uch propossis.)	6. IF INDIAN, ALLOTTER OR TRIBE N	ME
ī.	USE ATTLIO	ATION TORTEMATICAL TOTAL	den proposase.	7. UNIT AGREEMENT NAME	
	WELL CAS WELL OTHER				
2.	NAME OF OPERATOR			8. FARM OR LEASE NAME	
_	Flying Diamond Corpor	ation		J. Tidwell	
8.		anla Dida Dansson	Colo 80202	1	
4.	2480 Colorado State B	ank Blug., Denver,	, Colo. 80202	10. FIELD AND POOL, OR WILDCAT	
	See also space 17 below.) At surface			Altamont	
				11. SEC., T., S., M., OR BLE. AND	
	SE NE Section 3, T1S-	R4W 1381' FNL &	1021. FEL	SURVEY OR AREA	
				Sec. 3, T1S-R4W, US	M
14.	PERMIT NO.	15. BLEVATIONS (Show wheth	ner DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE	
		6960' Ungr. (Gr.	Duchesne Utah	
16.	Check A	ppropriate Box To Indica	te Nature of Notice, Report, o	r Other Data	
	NOTICE OF INTEN	TION TO:	8098	BEQUENT REPORT OF:	
	TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
		MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING	
		ABANDON*	SHOUTING OR ACIDIZING	ABANDONMENT*	
		CHANGE PLANS	(Other) PROGRESS	REPORT XX	
	(Other)		(Note: Report rest Completion or Reco	ults of multiple completion on Well mpletion Report and Log form.)	
17.	DESCRIBE PROPOSED OR COMPLETED OPP proposed work. If well is directionent to this work.) *	RATIONS (Clearly state all per onally drilled, give aubsurface	tinent details, and give pertinent da locations and measured and true ver	tes, including estimated date of starting tical depths for all markers and zones p	any erti-
	Summary of Operations	4-1-73 - 4-30-73	<u>3</u> :		
	4-6-73 - 7,531' - C	an 175 jts. 9-5/8' 17 sxs. light cont 0-50 Pozmix, 1/8#/ emented outside to % CaC1.	taining 1/4#/sx. Celof /sx. nylon fiber + 1%	40' KB. Cemented with lake, followed by 300 so R5. 2% Gypseal, 38% Type G	
	4-20-73 - 10,926' - W				
	4-22-63 - 11,280' - W				
	$\frac{4-23-73}{4-24-73}$ - 11,440' - W				
	$\frac{4-24-73}{4-25-73}$ - 11,500' - W				
	$\frac{4-25-73}{4-26-73}$ - 11,600' - W	_			
	$\frac{4-26-73}{4-27-73}$ - 11,695' - W		Changed out blind ra	ms.	
	$\frac{4-27-73}{4-28-73}$ - 11,733 - W	-	Changed out bring is		
	$\frac{4-20-73}{4-30-73}$ - 12,136' - W		Tested and changed o	out blind rams.	
		.7	-		
18.	I hereby certify that the foregoing	s true sad correct			
	SIGNED AND THE	TITLE _	Vice President	DATE 6/20/73	
===	H. P. MCLISI (This space for Federal or State off				
	fine space for rederat or prace om	CC MBC)			
	APPROVED BY	TITLE _		DATE	

n OGCC-1 b∙ OII. & GA	STATE OF UTAH S CONSERVATION COMMISS	SUBMIT IN TRIPLICATE® (Other instructions on reverse side) ION	5. LEASE DESIGNATION AND SERIAL NO.
SUNDR	RY NOTICES AND REPORTS m for proposals to drill or to deepen or plug se "APPLICATION FOR PERMIT—" for such	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
i.	se "APPLICATION FOR PERMIT—" for such	proposals.)	7. UNIT AGREEMENT NAME
OIL WELL GAS GAS	OTHER		8. FARM OR LBASE NAMB
2. NAME OF OPERATOR			J. Tidwell
Flying Diamond 8. ADDRESS OF OPERATOR	Corporation		9. WELL NO.
Suite 2480, 160 4. LOCATION OF WELL (Repo See also space 17 below.) At surface	O Broadway, Denver, Co	orado 80202 y State requirements.*	# 10. FIELD AND FOOL, OR WILDCAT A tamont
SE4NW4			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
	NL & 1021' FEL		
14. PERMIT NO.	15. BLEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
21. · · · · · · · · · · · · · · · · · · ·	6960' Ungrad	led Ground	Duchesne Utah
16.	Check Appropriate Box To Indicate		Other Data
	ICE OF INTENTION TO:		ENT REPORT OF:
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other)	REFAIRING WELL ALTERING CASING ABANDONMENT* of multiple completion on Well
(Other) 17. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS (Clearly state all pertinuell is directionally drilled, give subsurface loc		etion Report and Log form.) including estimated date of starting and depths for all markers and zones per
REQUEST APPROVA	AL TO DRILL TO 18,750'		
		OIL &	OVED BY DIVISION OF GAS CONSERVATION
		DATE BY℃	8-23-73 3 Feight
signed R. F.		ILLING & PRODUCTION MANAGER	DATE 8-14-73

TITLE _

APPROVED BY _______ CONDITIONS OF APPROVAL, IF ANY:

DATE __

	PI
STATE OF UTAH SUBMIT IN TRIPLICATE (Other instructions on re	·
OIL & GAS CONSERVATION COMMISSION verse side)	5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL OAS WELL OTHER	7. UNIT AGREEMBNT NAMB
2. NAME OF OPERATOR	8. FARM OR LEASE NAME
Flying Diamond	J. Tidwell
8. ADDRESS OF OPERATOR	9. WELL NO.
Suite 8111776 Lincoln StreetDenver, Colorado 80203	# 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	10. FIELD AND FOOL, OR WILDCAT Altamont

SE' NW

14. PERMIT NO.

16.

1381' FNL & 1021' FEL

_					
	6. IF INDIAN, ALLOTTES	OR TRIBE NAME			
	7. UNIT AGREEMBNT NA	M3			
_	8. FARM OR LEASE NAM	1			
	J. Tidw	ell			
-	9. WELL NO.				
	# 1				
_	10. FIELD AND POOL, OR	WILDCAT			
İ	Altamon	t			
	11. SEC., T., R., M., OR B. SURVEY OR ARRA	LE. AND			
	3, T1S-R				
_	12. COUNTY OR PARISH	18. STATE			
	Duchesne	Utah			
0	Other Data				
U	ENT REPORT OF:				
_]				

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data						
NOTICE OF INTENTION TO:						
TEST WATER SHUT-OFF PULL OR ALTER CASING				WATER SHUT-OFF	REPAIRING WELL	
FRACTURE TREAT	\vdash	MULTIPLE COMPLETE	<u> </u>	FRACTURE TREATMENT	ALTERING CASING	}
SHOOT OR ACIDIZE	\square	ABANDON*	<u> </u>	SHOOTING OR ACIDIZING	ress Report	
REPAIR WELL		CHANGE PLANS		(Other)		-
(Note: Report results of multiple completion on Well (completion or Recompletion Report and Log form.)				11		

15. BLEVATIONS (Show whether DF, RT, CR, etc.)

6960' Ungraded Ground

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly State all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) •

6-1-73 6-2-73	14,215' 14,215'	Running 7-5/8" csg., laying down DP & collars .'33.1 Running & cementing 7-5/8" csg. Ran 336 jts, 29.70# csg. S-95, landed at 14,205'. Float collar at 14,154', shoe @ 14,205'. Cemented w/228 sxs. 50-50 pozmix, 222 sxs. fly-ash, 4% salt, 4% gel, 1/4 of 1% R5. Bumped plug.
6-3-73 6-4-73 6-5-73 6-6-73 6-30-73	14,215' 14,215' 14,215' 14,280' 16,369'	WOC Picking up DP. Pressure tested stack to 2000# Drilling out shoe. Checked BOP's @ 2500# Drilling Drilling

18. I hereby certify that the foregoing is true and correct Flowers, Jr.	Drilling & Prod. Mgr.	DATE 8-29-73.
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL IF ANY:	TITLE	DATE

STA	ATE OF UTAH	(Other Instructions on re-	5. LEASE DESIGNATION A	ND BERIAL NO.
OIL & GAS CONS	ERVATION COMMISSION	verse mide)	J. LEASE DESIGNATION A	
			6. IF INDIAN, ALLOTTES	OR TRIBE NAME
SUNDRY NOT	ICES AND REPORTS ON	WELLS	d. Is indian, according	
(Do not use this form for propor	sals to drill or to deepen or plug back to ATION FOR PERMIT—" for such propositions.	o a different reservoir.		
Use "APPLICA	ATION FOR PERMIT—" for such proposi	NIS.)		
1.			7. UNIT AGREEMENT NAM	(1
OIL X WELL OTHER				
2. NAME OF OPERATOR			8. FARM OR LEASE HAM	•
Flying Diamond Corpor	ation		J. Tidwell	
8. ADDRESS OF OPERATOR			9. WELL NO.	
Suite 8111776 Linco	In StreetDenver, Colo	rado 80203	# 1	
4. LOCATION OF WELL (Report location of	learly and in accordance with any State	requirements.	10. FIELD AND POOL, OR	WILDCAT
See also space 17 below.) At surface			Altamont	
			11. SEC., T., B., M., OR BI	E. AND
SE NE Sec. 3, T1S, R	4W 1381' FNL & 1021'	FEL	SURVEY OR ARMA	
			Sec. 3-1S-4W	I USM
			12. COUNTY OR PARISH	
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT,		Duchesne	Utah
	6960' Ungraded	ground	Duchesile	Otali
C	A. D. T. I. Jingto Mater	o of Masica Panart or C	Other Data	
16. Check Aj	ppropriate Box To Indicate Natur			
NOTICE OF INTER	ITION TO:	PEREUR	ENT REPORT OF:	
	DULL OR ALTER CARING	WATER SHUT-OFF	REPAIRING W	ELL
	PULL OR ALTER CASING	FRACTURE TREATMENT	ALTERING CA	BING
FRACTURE TREAT	MULTIPLE COMPLETE		ABANDONMEN	
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	_	XX
REPAIR WELL	CHANGE PLANS	(Other) Progress	of multiple completion of	
(Other) 17. DESCRIBE PROPOSED OR COMPLETED OP		Completion or Recomp	etion Report and Log for	u.,
8-09-73 18,709' Dr 8-10-73 18,750' Cr 8-11-73 18,750' Tr 8-12-73 18,750' Rr 8-13-73 18,750' WC	rlg. Continue to lower more rig. irculating ripping, Ran Sonic, DIL, unning liner. Strapped of Co. Ran 124 jts5½" 23‡ emented w/5 BBIS Water, /1.25% CFR-2, 30% Silica	FDC CN. out 10'-18,760' dr: P110. Shoe @ 18,750 BBIS mud flush. Flour, 0.5% HR-12	753'. Float col. 700 sxs Class (2. Started mixi	G Cement ng @ 7:05
p ·	.M. Started pumping ceme	ent @ 7:34 P.M. Sta	arted displacing	g @ 8:55
Ð	M Cement in place @	10:00 P. M.		
8-14-73 18,760' C	irc. Ran temp log. Top	of dement 14,150'	7-5/8" shoe @ 1	4,205'。5岁"
<u>8-14-75</u> 10,700 C.	iner wiper plug @ 16,600)'. Ran in w/mill	S scraper.	
	rlg. on plug @ 16,621'.		•	
	rlg. on cement @ 17,300	1		
	rig. on ceneric e 17,300	•		
<u>8-17-73</u> 18,760' D	rlg. on cement @ 18,130	oot promo Pialaina	7 E/O!! woton	iomblo
<u>8-18-73</u> 18,760' P	icking up Packer, 18,70	99. 4 PBID. Picking	up /-5/8 recr	revante.
Con't on next page				
18. I hereby certify that the foregoing	is true and correct		· · · · · · · · · · · · · · · · · · ·	
At they	Z1	. & Prod. Mgr.	DATE 11-9-	73
(This space for Federal or State of	r.	, a rrod, rigr.	DATE	
family share you wenter on comes on	/			
APPROVED BY	ANY:		DATE	

SUBMIT	IN	TRIPL	CA7	re•
(Other 1	natr	uctions	0 B	

OIL & GAS	CONSERVATION COMMISSI	ON verse side)	5. LEASE DESIGNATION	AND BERIAL NO.
SUNDRY (Do not use this form fuse)	NOTICES AND REPORTS (for proposals to drill or to deepen or plug i "APPLICATION FOR PERMIT—" for such p	ON WELLS back to a different reservoir.	6. IF INDIAN, ALLOTTE	OR TRIBE NAME
OIL GAS WELL	ОТИЕВ		7. UNIT AGREEMENT NA	M
2. NAME OF OPERATOR Flying Diamond C			8. FARM OR LBASE NAM	(8
Flying Diamond C	orporation		J. Tidwell	_
	Lincoln Street-Denver, Co	7 - 7	9. WELL NO.	
LOCATION OF WELL (Report)	ocation clearly and in accordance with any	olorado 80203	#1	¢
See also space 17 below.) At surface	ocation clearly and in accordance with any	State requirements.*	10. FIELD AND POOL, OF Altamont	WILDCAT
SE NE Sec. 3, T	ls, R4W 1381' FNL & 1021	L' FEL	11. SEC., T., B., M., OR B SURVEY OR AREA	
4. PERMIT NO.	15 BIPVATIONS (Character)		Sec. 3,TlS	
	16. BLEVATIONS (Show whether DF,		12. COUNTY OB PARISH	
	6960' Ungrad		Duchesne	Utah
s. Cho	eck Appropriate Box To Indicate N	ature of Notice, Report, or C	Other Data	
NOTICE O	OF INTENTION TO:	•	JENT REPORT OF:	
TEST WATER SHUT-OFF] ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		TANK REPORT OF:	
FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF	REPAIRING W	ELL
SHOOT OR ACIDIZE	ABANDON®	FRACTURE TREATMENT	ALTERING CA	BING
REPAIR WELL	CHANGE PLANS	SHOOTING OR ACIDIZING	ABANDONMEN	r•
(Other)	,	(Other) Progress Re	of multiple completter a	n Well
. DESCRIBE PROPOSED OR COMPLE	CTED OPERATIONS (Clearly state all pertinent directionally drilled, give subsurface location	tompretion of Recomple	ction Report and Log forn	1.)
8-19-73 18,760' 8-20-73 18,760' 8-21-73 18,760' 8-22-73 18,760'	Cleaning pits to displace top of liner lap w/6000 Rigging up to log. Laying down drill collar Current operation: Runni	r. Ran Bond log, GR C	Collar log, corn	relation Log.
8-22-73 18,760' 8-23-73 18,760'	Nippling down BOP'S. Rur packer @ 14,682'. 2-7/8' heat string 198 jts. 2-3 Completed nippling down at 6 P.M. 8-22-73 Tanks	B/8" 4.7# N-80 W/ABC B/8" 4.7# N-80 8RD w/ BOP. Completed pippl	Modified coupl special clearar	ing. Ran
8-24-73 18,760'	at 6 P.M. 8-22-73. Tanks Installing lines. Riggin	o down ria	ok up lines.	
8-27-73 18,760'	Battery in place.	-y down 114.		
8-28-73 18,760'	Perparing to perf.			
<u>8-30-73</u> 18,760'	Perf. 39 holes w/2" GO W 491½; 511; 517; 552; 590 783; 829; 852; 876; 880;	7; 603; 637 -3/4; 659; 897岁: 902: 18-016・	- 6854 。 60つ 。 71つ	1 700
8-31-73 18,760'	Waiting on Acid, will ac	2/1: & 613.		•
I hereby certify that the forego	oing is true and correct			
BIGNED 22 16	ower of mine Drla	. & Prod. Mgr.	110	70
R. L. Flowe	ers, Jr.		DATE 11-9-	/3
(This space for Federal or State	te office use)			
APPROVED BY	IF ANY:		DATE	

STA	TE OF UTAH	SUBMIT IN TRIPLICATE.		· V
1	ERVATION COMMISSION	(Other instructions on reverse side)	5. LEASE DESIGNATION	
	CES AND REPORTS ON		6. IF INDIAN, ALLOTTEB	OR TRIBE NAME
i.			7. UNIT AGREEMENT NAI	(8
WELL WELL OTHER 2. NAME OF OPERATOR			8. FARM OR LEASE NAM	<u> </u>
Flying Diamond Corpora	tion		J. Tidwell	
8. ADDRESS OF OPERATOR	CIGI		9. WELL NO.	
Suite 8111776 Lincol	n StreetDenver. Colo	orado 80203	#1	
4. LOCATION OF WELL (Report location closes also space 17 below.)	early and in accordance with any Sta	te requirements.*	10. FIELD AND POOL, OR	WILDCAT
At surface			Altamont	LK. AND
SE NE Sec. 3, TlS, R4	W 1381' FNL & 1021'	FEL	SUBVEY OR AREA	
			3-1S-4W USM	19
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT, 6960 Ungraded C	• • •	Duchesne	18. state Utah
16. Check An	propriate Box To Indicate Nati			
אסדוכה חד ואדשות	•		ENT REPORT OF:	
TEST WATER SHUT-OFF	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	RLL
	ULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	
	BANDON*	SHOUTING OR ACIDIZING	ABANDONMEN	r•
REPAIR WELL C	HANGE PLANN	(Other) Progress F		XX
(Other)		(Note: Report results Completion or Recomple	of multiple completion o tion Report and Log form	n Well n.)
Summary of Operations	ally drilled, give subsurface locations $\frac{7-1-73-7-31-73}{}$, and measured and true vertices	wepens an an annex	and white petti
7-01-73 16,456' D	rlg.			
7-15-73 17,421' D	rlg.			
	irculate & killing wel	.l, while preparing	to make trip, v	well kicke
	ripping.			
	rlg.			
7-31-73 18,055' D m	rlg. Checked drill col ud weight today.	lars, layed down l	bad collar. Wil	ll lower
				•
18. I hereby certify that the foregoing is	true and correct			
BIGNED R. L. Flowers, Jr	TITLE Drlg.	& Prod. Mgr.	DATE 11-9-7	3
(This space for Federal or State office	use)			
APPROVED BY	TITLE		DATE	

Form O	GCC-1 be
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14,215

14,215'

14,280' 16,369'

Drlg.

Drlg.

6-04-73

6-05-73 6-06-73

6-30-73

				JAN C
OGCC-1 be	TATE OF UTAH	SUBMIT IN TRIPLICATE	•	V
	SERVATION COMMISSIO	(Other instructions on re	5. LEASE DESIGNATION	AND SERIAL NO.
	OTICES AND REPORTS Coposals to drill or to deepen or plug batter of the process o		6. IF INDIAN; ALLOTTE	OR TRIBE NAME
OIL GAS OTHER			7. UNIT AGREEMENT NA	MB
2. NAME OF OPERATOR			8. FARM OR LEASE NAM	(3
Flying Diamond Corpo	ration		7 mi 2 11	
8. ADDRESS OF OPERATOR			J. Tidwell	
Suite 8111776 Line	oln Street-Denver, Co	lorado 80203	#1	
4. LOCATION OF WELL (Report location See also space 17 below.)			10. FIELD AND POOL, OF	WILDCAT
See also space 17 Delow.) At surface			Altamont	
SE NE Sec. 3, TlS,	R4W 1381' FNL & 1	021' FEL	11. SEC., T., R., M., OR B SURVEY OR ARMA	LE. AND
			3-1S-4W (J SM
14. PERMIT NO.	15. BLEVATIONS (Show whether DF,	• • • • • • • • • • • • • • • • • • • •	12. COUNTY OR PARISH	18. STATE
	6960' Ungrade	d Ground	Duchesne	Utah
16. Check A	Appropriate Box To Indicate No	iture of Notice, Report, or C	Other Data	
NOTICE OF INT	ENTION TO:	SUBSEQ	UENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	FELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	SING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	T.
REPAIR WELL	CHANGE PLANS	(Other) Progress	Report	XX
(Other)		(Note: Report results Completion or Recomb	of multiple completion of including of multiple completion of the complete	m.)
17. DESCRIBE PROPOSED OR COMPLETED O proposed work. If well is direct nent to this work.) *	PERATIONS (Clearly state all pertinent tionally drilled, give subsurface locatio			
Summary of Operation	s 6-1-73 - 6-30-73			
6-01-73 14,215'	Running 7-5/8" casing	•		
6-02-73 14,215'	WOC. Ran 336 jts. 29. Buttress (14,238) land			
	Shoe @ 14,205'. Cement 4% salt, 4% gel, 4 of	ted 2/228 sxs 50-50	pozmix, 222 sx	
6-03-73 14,215'	Nippling up. Ran bond			

18. I hereby certify that the foregoing is true and correct SIGNED R. L. Flowers, Jr.	TITLE Drlg. & Prod. Mgr.	DATE 11-9-73
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL. IF ANY:	TITLE	DATE

Picking up drill pipe.
Drlg. out shoe. Top of cement @ 14,175'.

Form ØGCC-11	•
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ØGCC-1 b•	STATE OF UTAH	SUBMIT IN TRIPLICATE® (Other instructions on re-		<u> </u>
OIL & GAS C	CONSERVATION COMMISSIO	verse side)	5. LEASE DESIGNATION	AND SERIAL NO.
SUNDRY (Do not use this form for	NOTICES AND REPORTS Or proposals to drill or to deepen or plug bac PPLICATION FOR PERMIT—" for such pro	N WELLS ck to a different reservoir.	6. IF INDIAN, ALLOTTES	OR TRIBE NAME
Use "A	PPLICATION FOR PERMIT— for such proj	posats.)	7. UNIT AGREEMENT NA	мз
OIL JEST OAR	CHER			
2. NAME OF OPERATOR			8. FARM OR LEASE NAM	
Flying Diamond	Corporation		J. Tidwell	
8. ADDRESS OF OPERATOR	Ctata Bank Bldg Donye	r Colo 80202	1	
2480 COLOTAGO S	State Bank Bldg, Denve	tate requirements.	10. PIELD AND POOL, OF	R WILDCAT
See also space 17 below.) At surface		•	Altamont	
			11. SEC., T., R., M., OR E SURVEY OR AREA	LE. AND
SE NE Sec. 3, 5	T1S-R4W 1381' FNL &	1021' FEL		
			3-1S-4W, U	
14. PERMIT NO.	15. BLEVATIONS (Show whether DF. B		12. COUNTY OR PARISH	1
	6960' Ungr. Gr.	•	Duchesne	Utah
16. Che	ck Appropriate Box To Indicate Na	iture of Notice, Report, or (Other Data	
NOTICE OF	F INTENTION TO:	pastus	UBNT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING V	WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	ASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEI	
REPAIR WELL	CHANGE PLANS	(Other) PROGRESS	of multiple completion	on Well
(Other)		Completion or Recomp	letion Report and rog to	m.)
 DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.) * 	TED OPERATIONS (Clearly state all pertinent directionally drilled, give subsurface location	details, and give pertinent dates ins and measured and true vertic	, including estimated dat al depths for all markers	e of starting any and zones perti-
	ations 5-1-73 - 5-31-	73:		•
Dunmary or oper				
5-1-73 - 12,13	6' - Drilling. Lost	100 bbls. mud at	12,030'.	
$\overline{5-2-73}$ - 12,20	5' - Washing thru bri	dge at 11,650'.	10 0451 /0	100 TOW)
5-3-73 - 12,30	0' - Building volume	& mixing LCM at	12,245 (8 -	10% TCW)
E 4 52 32 35	Lost 500 - 600 b	bis. mud between	12,000 - 1	2,245 .
$\frac{5-4-73}{5-5-73}$ - 12,35	5' - Drilling. 5' - Drilling w/full	raturns		
	.6' - Washing & reaming			
$\frac{5}{5-9-73}$ - 12.77	0' - Washing to bottom	m.		
$\frac{5-11-73}{5-11-73} - 12,91$	3' - Tripping.			
$\overline{5-20-73}$ - 13,58	0' - Tripping.			
5-21-73 - 13,69	4' - Washing to botto			
5-25-73 - 14,00	9' - Washing & reamin	g; cond. mud.		
5-26-73 - 14,10	7' - Circ. at 7400'	waiting on rig r	epairs.	
$\frac{5-27-73}{2}$ - 14,10	7' - Circ. at 7300'	waiting on parts	•	
	7' - Tripping in. Ri	g repaired.		
$\frac{5-29-73}{5-30-73}$ - 14,21				
	.5' - Finished logging	; circ. to botto	m.	
5 51 75 11/21				
18. I hereby certify that the fore	going is true and correct			
SIGNED	TITLE		DATE	
(This space for Federal or St	tate office use)			
APPROVED BY			DATE	
CONDITIONS OF APPROVA				

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- 0000 11				
/ 11	ATE OF UTAH	SUBMIT IN TRIPLICATE* (Other instructions on reverse side)	5. LEASE DESIGNATION	AND SERIAL WO
OIL & GAS CONS	SERVATION COMMISSION	verse side)	J. DERGE PROTECTION	AND GERIAL NO
	TICES AND REPORTS ON seals to drill or to deepen or plug back ATION FOR PERMIT—" for such propor		6. IF INDIAN, ALLOTTE	E OR TRIBE NAM
1.			7. UNIT AGREEMENT NA	LMB
WELL WELL OTHER			S. FARM OR LEASE NAM	VR
Flying Diamond Corporat:	ion		J. Tidwell	
8. ADDRESS OF OPERATOR			9. WELL NO.	
Suite 811-1776 Lincoln	Street-Denver Colora	do 80203	#1	
	clearly and in accordance with any Stat		10. FIELD AND POOL, O	R WILDCAT
At surface			Altamont	
			11. SEC., T., R., M., OR I SURVEY OR AREA	
SE NE Sec. 3, TlS, R4W	1381' FNL & 1021' FEL		Co. 2 7 C 45	.T TT/78.6
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT.	OR. etc.)	Sec. 3-1S-4V	
	6960' Ungrade	,	Duchesne	Utah
16. Check A	ppropriate Box To Indicate Natur			1 Utall
NOTICE OF INTEN			ENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	
	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	
	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	<u> </u>
REPAIR WELL	CHANGE PLANS		gress Report	XX
(Other)		(NOTE: Report results	of multiple completion of the completion of the completion of the complete	on Well
9-14-73 Flow test. 9-15-73 Ran production 9-17-73 to 9-22-73 BHP. 9-23-73 Flow test. 9-24-73 Well died. 9-25-73 Well dead. 9-26-73 Well Dead. 9-27-73 Unload hole w/Ni 9-28-73 Flow test. 9-29-73 Flow test. Wel	/20,000 gals acid & Flowst. 000 gals. 12.3 mud. Acid logs.			
(This space for Federal or State office	TITLE Drlg.	& Prod. Mgr.	3-6-	74
APPROVED BY	NY:		_ DATE	

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SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposeds to defill or to deeping or plug back to a different reservoir. ONLY OF PERMIT — for each proposed. ONLY OF PERMIT — for each proposed. ONLY OF PERMIT — for each proposed. I. UNIT AGREEMANT AND STREET — DETAILS AND STREET — TICKNESS OF OFFILE OF PERMIT — for each proposed. I. UNIT AGREEMANT AND STREET — DETAILS AND STREET — DETAI		ATE OF UTAH SERVATION COMMISS	SUBMIT IN TRIPLICATE® (Other instructions on reverse side)	5. LEASE DESIGNATION AND SERIAL NO.	-
The state of the s	SUNDRY NOT	TICES AND REPORTS peals to drill or to deepen or plu ATION FOR PERMIT—" for suc	ON WELLS g back to a different reservoir.	6. IF INDIAN, ALLOTTES OR TRIBE NAME	-
Figure 1 Diamond Corporation Strickell	I. OIL TO GAM			7. UNIT AGREEMBNT NAMB	-
Flying Diamond Corporation A absence or organization A control of will (Report location dearly and in accordance with any State requirements.* At according or will (Report location dearly and in accordance with any State requirements.* At according or will (Report location dearly and in accordance with any State requirements.* At according or will (Report location dearly and in accordance with any State requirements.* At according or will (Report location dearly and in accordance with any State requirements.* At according or will (Report location dearly and in accordance with any State requirements.* At according or will (Report location dearly and in accordance with any State requirements.* Altamont 11. #Corporation and according according to the second of the seco				8. FARM OR LEASE NAME	_
SE NE Sec. 3, TIS, RAW 1381 FNI, & 1021 FEI. Sec. 3, TIS, RAW 1381 FNI, & 1021 FEI. Sec. 3, TIS, RAW 15. Sec. Sec. 15. S		ion		J. Tidwell	
Because proposed and configuration of the proposed of the prop		1011		9. WELL NO.	_
SE NE Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 1381' FNL & R4WATONIS (Show whether Pt. N. Sh. Me.) 6960' Ungraded Ground Duckesne Utah 14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data Notice of Internation to: ***THEF WATER SHUT-OFF*** ***PRACTURE TREAT*** ***ARCHING OF INTERNATION TO: ***REPARATIVE TO WATER SHUT-OFF*** ***PRACTURE TREAT*** ***ARCHING OF INTERNATION TO: ***REPARATIVE WATER SHUT-OFF*** ***PRACTURE TREAT*** ***ARCHING OF INTERNATION OF	Suite 811-1776 Lincoln	Street-Denver, Co			_
SE NE Sec. 3, TIS, R4W 1381' FNL & 1021' FEL Sec. 3, TIS, R4W 18. FAND (Show whether or, Rt. Os. 46.) (12. COURT OR PARISH) 18. SPARE (Show whether or, Rt. Os. 46.) (12. COURT OR PARISH) 18. SPARE (Show whether or, Rt. Os. 46.) (12. COURT OR PARISH) 18. SPARE (Show whether or, Rt. Os. 46.) (13. COURT OR PARISH) 18. SPARE (Show or, Rt. Os. 46.) (14. COURT OR PARISH) 18. SPARE (Show or, Rt. Os. 46.) (14. COURT OR PARISH) 18. SPARE (Show or, Rt. Os. 46.) (15. COURT OR PARISH) 18. SPARE (Show or, Rt. Os. 46.) (15. COURT OR PARISH) 18. SPARE (Show or, Rt. Os. 46.) (15. COURT OR PARISH) 18. SPARE (Show or, Rt. Os. 46.) (15. COURT OR PARISH) 19. SPARE (Show or, Rt. Os.	4. LOCATION OF WELL (Report location See also space 17 below.)	clearly and in accordance with a	ny State requirements.	_	
16. Suppose Box To Indicate Nature of Notice, Report, or Other Data 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data 16. Notice of Interferor To: TEST WATER SERVETOFF PRACTURE TREAT SHOUTOFF SHOU				11. SEC., T., R., M., OR BLK. AND	_
18. EMPATORS (Show whether Pr. M. on. etc.) 6960' Ungraded Ground 19. Check Appropriate Box To Indicate Notice, Report, or Other Data NOTICES OF INTENTION TO: TEST WATER SHUT-OFF PRACTURE THEAT SHOWS ON ACCIDENT SHOWS OF ACCIDENT SHOWS ON ACCIDE	SEINE Sec. 3. TIS. RAW	i 1381' FNL & 1021	* FEL	Sec. 3, TlS, R4W	_
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: THE TWATER BRUT-OFF PRACTURE TREAT MATE SECURE REFORM WILL CHANGE PLANS ALTERISOP PLANS ALTERISOP PLANS CHANGE PLANS ALTERISOP PLANS ALTERISOP PLANS ALTERISOP PLANS ALTERISOP PLANS ALTERISOP PLANS ALTERISOP PLANS		15. BLEVATIONS (Show whether	DF, RT, GR, etc.)		
NOTICE OF INTENTION TO: THEST WATER SHUT-OFF PRACTURE THRAT SHOOT OR ACTIVETE REPAIR WELL CHANGE PLANS CHANG		6960' Ung	raded Ground	Duchesne Utah	_
TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDEE SHOOT OR ACIDEE SECOND OR COMPLETED OPPRATIONS (Clearly state all) pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and somes pertinent to this work.) Summary of Operations 10-1-73 to 10-31-73 10-01-73 thru 10-10-73 Flow test. 10-11-73 thru 10-14-73 Well Dead. 10-15-73 thru 10-17-73 Flow test. 10-19-73 Rig up workover rig. 10-20-73 Rig up workover rig. 10-21-73 Attempt to pull 2-3/8" heat string. 10-22-73 Dropped 2-3/8" tog. Recovered fish. Pulled 2-3/8" & 2-7/8". 10-22-73 Finished pulling tubing. Nippled up 5½" csg. spool. 10-25-73 Ran 327 jts. 5½" 23# casing for frac string. 10-25-73 Ran 327 jts. 5½" 23# casing for frac string. 10-27-73 Ran Baker Retrieving tools to 14,600', hit bridge, attempted to work through. Stringing to hang tools. POH w/WL tools. Ran 1200' ½" D.P. & going in w/2-7/8" tools. 18.1 hereby certify that the foregoing is true and correct strong. TITLE Drig. & PROD. Mgr. TITLE Drig. & PROD. Mgr. DATE 3-7-74	16. Check A	ppropriate Box To Indicate	Nature of Notice, Report, or C	Other Data	
PRACTURE TREAT SHOOT OR ACIDIEE REPAIR WELL (COther) 17. DESCRIBE PROPOSED OR CONFLETE OPERATIONS (Clearly state all purifient details, and give pertinent dates. including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sones pertinent to this work.) 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	NOTICE OF INTE	NTION TO:	SUBSEQU	JENT REPORT OF:	
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(Other) (Other) (Other) (Note: Report results of multiple completion on Well Completion on Recompletion Report and Log form.) 17. Describe Proposed work. If well is directionally drilled, give subsurface locations and give pertinent dates. Including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Summary of Operations 10-1-73 to 10-31-73 10-01-73 thru 10-10-73 Flow test. 10-11-73 thru 10-14-73 Well Dead. 10-15-73 thru 10-17-73 Flow test. 10-18-73 Cut paraffin. Ran Baker Plug set in profile @ 14,702'. Rig up workover rig. 10-20-73 Rig up workover rig. 10-21-73 Attempt to pull 2-3/8" heat string. 10-22-73 Dropped 2-3/8" tbg. Recovered fish. Pulled 2-3/8" & 2-7/8". 10-22-73 Finished pulling tubing. Nippled up 5½" csg. spool. 10-23-73 Finished nippling up. Tested BOP. Picked up Baker Pkr. 2 jts. 2-7/8" tbg. 10-25-73 Ran 327 jts. 5½" 23# casing for frac string. 10-26-73 Completed trip in w/frac string. Nippled down BOP. Nippled up tree. RIH w/wirelitools. 10-27-73 Ran Baker Retrieving tools to 14,600', hit bridge, attempted to work through. Stitrying to hang tools. POH w/WL tools. Ran 1200' ½" D.P. & going in w/2-7/8" tbg. 18. I hereby certify that the foregoing is true and correct BIGNED R. L. Flowers, Jr. 18. I hereby certify that the foregoing is true and correct BIGNED R. L. Flowers, Jr. 18. I hereby certify that the foregoing is true and correct BIGNED R. L. Flowers, Jr. 19. DATE 3-7-74	SHOOT OR ACIDIZE	ABANDON*	1		
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Ran Baker Retrieving tools to 14,600', hit bridge, attempted to work through. Stitrying to hang tools. POH w/WL tools. Ran 1200' 1½" D.P. & going in w/2-7/8" the on top of 1½" DP. 18. I hereby certify that the foregoing is true and correct SIGNED R. L. Flowers, Jr. TITLE Drlg. & PROD. Mgr. DATE 3-7-74	10-01-73 thru 10-10-73 10-11-73 thru 10-14-73 10-15-73 thru 10-17-73 10-18-73 Cut paraffin. 10-19-73 Rig up workov 10-20-73 Rig up workov 10-21-73 Attempt to put 10-22-73 Dropped 2-3/8 10-23-73 Finished pull 10-24-73 Finished nipp 10-25-73 Ran 327 jts. 10-26-73 Completed tri	Flow test. Well Dead. Flow test. Ran Baker Plug sever rig. For rig. For rig. For Recovered for the strict of the s	ng. ish. Pulled 2-3/8" & d up 5½" csg. spool. . Picked up Baker Pkr. frac string.	2-7/8". 2 jts. 2-7/8" tbg.	œki
	Ran Baker Ret trying to har	ng tools. POH w/WL 'DP.	,600', hit bridge, att tools. Ran 1200' 1¼" D	empted to work throughP. & going in w/2-7/8"	Sti tbo
	BIGNED SLALSWA	TITLE Dr	lg. & PROD. Mgr.	3-7-74	_

Air

OIL &	STATE OF UTA GAS CONSERVATION		SUBMIT IN TRIPLICATE* (Other instructions on reverse side)	5. LEASE DESIGNATION	AND SERIAL
SUN	IDRY NOTICES AND form for proposals to drill or to Use "APPLICATION FOR PERM	REPORTS ON		6. IF INDIAN, ALLOTTEE	OR TRIBE N
1.				7. UNIT AGREEMENT NA	MB
WELL WELL NAME OF OPERATOR	OTHER			8. FARM OR LEASE NAM	IB
Flying Diamond				J. Tidwell	
8. ADDRESS OF OPERATOR	: 6 Lincoln StreetDe	nver, Colorad	o 80203	9. wall no. #1	
4. LOCATION OF WELL (R See also space 17 belo	Report location clearly and in accou			10. FIELD AND POOL, OF	WILDCAT
At surface				Altamont 11. SEC., T., R., M., OR B SUBVEY OR AREA	LE. AND
SE NE Sec. 3	, T1S, R4W 1381' FN	L & 1021' FEI		Sec. 3, TlS	
14. PERMIT NO.		Show whether DF, RT, G	,	12. COUNTY OR PARISH	18. STATE Utah
16.		Ungraded Gr		Duchesne	locari
	Check Appropriate Box of the control	lo Indicate Nature		FINER DATA ENT REPORT OF:	
Summary of Ope Attempted to pull plug, left onto fish. Put to cut off pro	erations 11-1-73 to 1 cull wireline plug. Of the overshot & crossovalled & layed down 5½ ofile nipple on tail drilled packer. Pa t @ 14,682'. RIH w/5½	tate all pertinent deta subsurface locations a 1-30-73 Could not. Rayer in hole. g" casing. I pipe below paracker fell to	(Note: Report results (Completion or Recompletion or Recompletion or Recompletion or Recompletion or Recompletion or Resourced and true vertical and overshot on 14" Ran overshot for RIH w/tbg., circ. or acker w/wireline j	D.P. & 2-7/8" crossover, cou il out of hole et cutter, cou ker Model FA P	on Well of starting and zones could ld not Attem ld not. acker co
SIGNED	the foregoing is true and correct	TITLE Drlg.	& Prod. Mgr.	DATE 3-7-7	74

ofmr OGCC-1 be

SUBMIT IN TRIPLICATE*
(Other instructions on re-STATE OF UTAH 5. LEASE DESIGNATION AND SERIAL NO. verse side) OIL & GAS CONSERVATION COMMISSION 6. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT NAME OIL WELL WELL X 2. NAME OF OPERATOR 8. FARM OR LEASE NAME Flying Diamond Corporation J. Tidwell 8. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street-Denver, Colorado 80203 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)

At surface 10. FIELD AND POOL, OR WILDCAT Altamont
11. SEC., T., B., M., OR BLK. AND
SURVEY OR AREA 1381' FNL & 1021' FEL SE NE TlS, R4W Sec. 3, TlS, R4W Sec. 3, 14. PERMIT NO. 15. ELEVATIONS (Show whether DF. RT. GR. etc.) 12. COUNTY OR PARISH 18. STATE 6960' Ungraded Ground Duchesne Utah 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT* Progress Report REPAIR WELL CHANGE PLANS (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Summary of Operations 12-1-73 to 12-31-73

Set packer on Frac String @ 13,700'. Nippled up tree. Fraced well w/168,000 gals Halliburton Super E 39,200# 20-40 sd.

Set X Plug in Otis Profile under Baker Model FA Packer. Unseated retrievable packer pulled frac string. Ran tubing, attempted to get in packer, could not. Ran $4\frac{1}{2}$ " Basket, pulled basket, no recovery. Ran 2-7/8" basket, apparently went thru packer. RIH w/seal assembly, could not get in packer. Pulled seal assembly, had metal marks on btm. Ran collar locator, set down on top of packer @ 14,690'. Attempted to run magnet, would not fall in oil. Heated water, circ. hot water & displaced oil, ran magnet twice no recovery. RIH to 4000' w/tubing.

18. I hereby certify that the foregoing is true and correct SIGNED R. L. Flowers, Jr. (This space for Federal or State office use)	TITLE Drlg. & Prod. Mgr.	DATE 3-7-74
APPROVED BY	TITLE	DATE

SUBMIT IN TRIPLICATES (Other instructions on re-

OIL & GAS CO	ONSERVATION COMMIS	SION verse side)	5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY N (Do not use this form for pure "AP)	OTICES AND REPORTS Proposals to drill or to deepen or plu PLICATION FOR PERMIT—" for sucl	ON WELLS g back to a different reservoir. a proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL GAS OTH			7. UNIT AGREEMENT NAME
NAME OF OPERATOR	LR .		8. FARM OR LEASE NAME
Flying Diamond corp	oration		
ADDRESS OF OPERATOR			J. Tidwell 9. WELL NO.
	coln StreetDenver, (#1
See also space 17 below.) At surface	ion clearly and in accordance with a	ny State requirements.*	10. FIELD AND POOL, OR WILDCAT
me surrace			Altamont
			11. BEC., T., R., M., OR BLK. AND BURVEY OR ARMA
SE NE Sec. 3. TlS.	R4W 1381' FNL & 1021	FITT.	Coc 2 mlc pAu
4. PERMIT NO.	15. BLEVATIONS (Show whether	DF, RT, GR, etc.)	Sec. 3, TLS, R4W
	6960' Unc	graded Ground	Duchesne Utah
. Check	Appropriate Box To Indicate	Nature of Notice Report of	Other Date
	NTENTION TO:		
TEST WATER SHUT-OFF	[]	· · ·	BQUENT REPORT OF:
FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF	REPAIRING WELL
SHOOT OR ACIDIZE	ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	· · · · · · · · · · · · · · · · · · ·	Progress Report XX
(Other)		Completion or Person	its of multiple completion on Well appletion Report and Log form.)
DESCRIBE PROPOSED OR COMPLETED proposed work. If well is dir nent to this work.) *	OPERATIONS (Clearly state all pertine ectionally drilled, give subsurface loc	ent details, and give pertinent date ations and measured and true vert	es, including estimated date of starting any cical depths for all markers and zones perti-
Summary of Operation	ns 1-1-73 to 1-31-73		
4½" O.D. Completed to ran in hole w/tapered O.D. Flat Btm. Mill magnet & collar local casing scraper to to POH, mill worn out. pieces of iron cutting pressured up, pulled w/4½" Flat Btm Mill, pkr. causing torque.	trip in to top of line ed mill. No drag thru . Milled on junk & Ba ator on wireline, no r op of pkr. Attempted Ran 3" magnet on wir ings. Ran 2½" mill 5' d tbg., left 2½" O.D. , disp. hole to 12.5#/ , not allowing mill to	er, held up, could not top of liner. Pulle ker Packer made 4". ecovery. RIH w/2-3, to mill w/2-3/8" Flate line to top of pkrextension, swedge, of Mill 9" long in btm of gal mud. Milled on page down to pkr. Milled get down to pkr. Milled get down to pkr. Milled on page down to pkr.	ifold. RIH w/flat btm. milt get thru top, pulled milted tapered mill. RIH w/4½ Pulled mill. Ran 2½"/8" O.D. Mill, 4' extension t Btm. Mill. Milled 1' - 10. Recovered a few small csg scraper. Made 1', of pkr. RIH to top of pkr. pkr. Something on top of ud contaminated mud. Packetoved up hole. Raised weight
I hereby certify that the foregoing SIGNED R. I. Flower (This space for Federal or State of	wer & TITLE Dr.	lg. & Prod. Mgr.	DATE 3-7-74
APPROVED BY	TITLE		
CONDITIONS OF APPROVAL, IE	ANY:		DATE

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/ OIL & G	STATE OF UTAH AS CONSERVATION COMMISSION	SUBMIT IN TRIPLICATE* (Other instructions on reverse side)	5. LEASE DESIGNATION	AND SERIAL NO.
	RY NOTICES AND REPORTS ON orm for proposals to drill or to deepen or plug back use "APPLICATION FOR PERMIT—" for such propos		6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
	Use APPLICATION FOR PERMIT— for such propos	58(6.)	7. UNIT AGREEMENT NA	MB
WELL WELL	OTHER			
NAME OF OPERATOR	a decrease tion		8. FARN OR LEASE NAM	(1)
Figing Diamor	nd Corporation		J. Tidwell	
Suite 81117	776 Lincoln StreetDenver, Col	orado 80203	#1	
	ort location clearly and in accordance with any Stat		10. FIELD AND POOL, OF	R WILDCAT
At surface	···		Altamont	
			11. SEC., T., R., M., OR S SURVEY OR AREA	BLK. AND
SE NE Sec. 3	3, TlS, R4W 1381' FNL & 1021'	FEL	Sec. 3, TlS,	R 4W
. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT,	GR, etc.)	12. COUNTY OR PARISH	18. STATE
	6960' Ungraded	l Ground	Duchesne	Utah
).	Check Appropriate Box To Indicate Natu	re of Notice, Report, or C	Other Data	
NOT	CICE OF INTENTION TO:	au Ba z qu	NENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	VELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	ASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	
REPAIR WELL	CHANGE PLANS	(NOTE: Report results	of multiple completion	on Well
(Other)	OMPLETED OPERATIONS (Clearly state all pertinent detection is directionally drilled, give subsurface locations	Completion or Recompl	etion Report and Log for	m.)
			•	
nent to this work.) *	perations 2-1-73 to 2-28-73			
Summary of Opmilled & inc. 60 BBLS mud. fish to 10,00 Torque to hid grapple. RID circ. POH, of fish 4'. Trip over fish. I overshot w/3 drags for 25 on outside of worked 3½' In jars, mill in fish of 2 D. X 3½" shoe,	. mud wgt. to 16.5. Pushed pace Reduce wgt. to 15.9. Pushed 00# wgt. Would not mill. Poh, gh for tbg. Layed down tbg, pi H to 12,500', circ. RIH to 17, could not find obstruction. RI pped out. No recovery. RIH w/4 POH, no indication of being ove ½" grapple & 2' extension. Wor stds. Completed trip out. No f tools, indication of junk about ntermittent torqye. Milled 6 h n hole. Picked up 4½" overshot, C., jars, 2 junk baskets, bumpe 2' long, 3' extension w/2-7/8" latched on to fish, pressured	pkr. to 17,444'. mill worn out. Ra icked up 2-7/8" D.F ,350', could not ci IH 6' washover shoe 1½" overshot, dress er fish. RIH, w/3½ rked over fish, pul indication of fish ove. RIH w/4½" Fla nrs. made 1½'. POF , 3-1/8" grapple ra er subs and mill. grapples, bumper s	Will not go do an 4½" OD Flat of the control of the	wn. Milled Btm. Mill. shoe, 3-5/8 ner, could ble. Wash cole. Worked long, 4½" d intermitt overshot. Milled & 2 junk basuught & reconst. Picked u C. RIH, dre

DATE ____

TITLE ____

For

	& GAS CON	ATE OF UTAH SERVATION COMMISSION	SUBMIT IN TRIPLICATES (Other instructions on reverse side)	5. LEASE DESIGNATION	AND BERIAL NO
SU (Do not use th	INDRY NO	TICES AND REPORTS ON peals to drill or to deepen or plug back ATION FOR PERMIT—" for such propose	WELLS to a different reservoir.	6. IF INDIAN, ALLOTTE	B OR TRIBE NAM
OIL TO GAS	П			7. UNIT AGREEMENT NA	AMB .
WELL A WELL				8. FARM OR LEASE NAM	
	amond Corpo	ration			
DDEESS OF OPERAT	TOR	DIACTOR		J. Tidwell	<u>L</u>
Suite 811	1776 Line	coln StreetDenver, Col	orado 80203	#1	
OCATION OF WELL	(Report location	clearly and in accordance with any Stat	e requirements.*	10. FIELD AND POOL, O	R WILDCAT
ice also space 17 b Lt surface				Altamont	
				11. SEC., T., R., M., OR I SURVEY OR AREA	
SE NE Se	c. 3, TlS,	R,4W 1381' FNL & 1021'	FEL	Sec 3, TlS, R4	1 W
ERMIT NO.		15. BLEVATIONS (Show whether DF, RT,	•	12. COUNTY OR PARISH	
		6960' Ungraded G	round	Duchesne	Utah
	NOTICE OF INTER	ppropriate Box To Indicate Natur		JINST DOIG	
TEST WATER SHUT	:-off	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING V	VELL
FRACTURE TREAT		MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	LSING
SHOOT OR ACIDIZE	·	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMER	4T*
REPAIR WELL		CHANGE PLANS	()	ogress Report of multiple completion	XX]
(Other)			Completion or Recompl	etion Report and Log for	m.)
		saxtions (Clearly state all pertinent det	alls, and give pertinent dates,	including estimated date	e of starting a
proposed work. nent to this work.	AT MCH 13 GHECCH	onally drilled, give subsurface locations	and measured and true vertics	al depths for all markers	and zones per
nent to this work.	.) *	ns 3-1-74 thru 3-31-74	and measured and true vertica	i depths for all markers	and zones per
Summary of 3-01-74 (3-02-74)	f Operation Completed t Repair pump	rip in hole w/tapered mos & circ. Ran 14' bar to	ill. Pulled 100 soubing @ 18,120'.	tds. Cond. muc Work to 18,150	l.
Summary of 3-01-74 (3-02-74)	f Operation Completed t Repair pump Schlumberge	rip in hole w/tapered more seriors. Ran 14' bar to er ran gauge ring to 13,	ill. Pulled 100 subing @ 18,120'. N	tds. Cond. muc Work to 18,150	l. '.
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DATE ___

APPROVED BY ________CONDITIONS OF APPROVAL, IF ANY:

	TE OF UTAH ERVATION COMMISSIO	SUBMIT IN TRIPLICATE* (Other instructions on re- verse side) N	5. LEASE DESIGNATION	N AND SERIAL NO.
	CES AND REPORTS OF the deepen or plug bactor of the properties of		6. IF INDIAN, ALLOTT	BE OR TRIBE NAME
I. OIL GAS OTHER			7. UNIT AGREEMENT N	IAMB
2. NAME OF OPERATOR			8. FARM OR LEASE NA	MB
Flying Diamond Corporation	on		J. Tidwell	
8. ADDRESS OF OPERATOR			9. WELL NO.	
Suite 8111776 Lincoln S	Street-Denwer, Colora	ado 80203	#1	
4. LOCATION OF WELL (Report location cle See also space 17 below.)	early and in accordance with any St	ate requirements.*	10. FIELD AND POOL,	OR WILDCAT
At surface			Altamont	
			11. SEC., T., R., M., OR SURVEY OR ARE	BLK, AND
SE NE Sec. 3, T1S, R4W	1381 FNL & 1021 FEI	4-)	Sec 3, TIS, 1	
14. FERMIZ AU.	6960 Ungrade	,,,	Duchesne	Utah
16. Check Apr	propriate Box To Indicate Nat		ther Data	<u></u>
NOTICE OF INTENT			ENT REPORT OF:	
TEST WATER SHUT-OFF			7	
	ULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING ALTERING	
	BANDON*	SHOOTING OR ACIDIZING	ABANDONME	ļ -
REPAIR WELL CI	IANGE PLANS		ss Report	XX
(Other)		(Note: Report results Completion or Recomple	of multiple completion	on Well
proposed work. If well is direction nent to this work.)* Summary of Operations 3-1				
mud. Rigged dow 3-13-74 Ran in w/NOWSCO 3-14-74 thru 3-26-74 Tes 3-27-74 Swabbed down to	to 6,000'. Unloaded	hole. Turned to ta	nk. Filled th	og. 1 twice.
6' @ top of hang psi, bleed off t 3-28-74 Rigged up BJ. I side. Started d up full opening min, recovered w	er, tbg plugged. Rig to 500 psi admost inst installed 2nd valve on isp plug down tbg. P blow down lines from tr, mud & small chunk ned to clean oil. SI	ged up BJ. Pressur antaneous. Cameron Annulus. Rigged u lugged bled off lin top of tree. Opene s of cement up to 5	ed up tbg 3 to men on way w, p below down 1 es on pump tra d to pit. Flo /8" diameter.	imes to 2000 /plastic packir line for back uck. Rigged owed for 20 Well
3-23-74 UII 3-31-74 Tes	ш19•			
			, *	
18. I hereby certify that the foregoing is t			··· · · · · · · · · · · · · · · · · ·	
R. L. Flowers, Jr	TITLE Drlg.	& Prod. Mgr.	DATE 4-18-7	74
(This space for Federal or State office	use)			
APPROVED BY	TITLE		_ DATE	

/ 011	STATE OF UTAH L & GAS CONSERVATION COMMISSIO	SUBMIT IN TRIPLICATE* (Other instructions on re- verse side) N	5. LEASE DESIGNATION AND RE
(Do not us	SUNDRY NOTICES AND REPORTS OF this form for proposals to drill or to deepen or plug bac use "APPLICATION FOR PERMIT—" for such proposals	N WELLS ok to a different reservoir.	6. IF INDIAN, ALLOTTER OR TR
i.	AB OTHER		7. Unit agree upht name
2. NAME OF OPERA	702		8. FARM OR LEASE NAME
Flying I	Diamond Corporation		J. Tidwell
Suite 8	ll1776 Lincoln StreetDenver, Colo	orado 80203	9. WELL NO. #1
4. LOCATION OF WI	LL (Report location clearly and in accordance with one We	ate requirements.*	10. FIELD AND POOL, GE WILDO
At surface	4	•	Altamont
			11. BEC., T., E., M., OD PLE. AND EURVOY OR AREA
	Sec 3, TlS, R4W 1381' FNL & 1021' 1		sec 3, T1S, R4W
14. PERMIT NO.	15. ELEVATIONS (Show whether pr. RI		12. COUNTY OF PARISE 13. ET
16.	6960' Ungraded Gro	· · · · · · · · · · · · · · · · · · ·	Duchesne Utah
	Check Appropriate Box To Indicate Nat	ure of Notice, Report, or O	ther Data
	NOTICE OF INTENTION TO:	eurarqua e	ENT REPORT OF:
TEST WATER 8:		WATER SHUT-OFF	REPAIRING WELL
SHOOT OR ACID.		FRACTURE TREATMENT	ALTERING CASINO
REPAIR WELL	CHANGE PLANS	(Other) P1	rogress Report
		(' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	
nent to this w	of Operations 7-1-74 thru 7-31-74	Completion or Recomple	of multiple completion on Well- tion Report and Log form.) including estimated date of star depths for all markers and zon
17. DESCRIBE PROPOSED Proposed wor nent to this w Summary 7-01-74 7-02-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite.	Completion or Recorable etalls, and give perfinent dates, is and measured and true vertical tter; RIH 2' between three 4-3/4" drill of	tion Report and Log form.) including estimated date of star depths for all markers and zon shoe & knife; 58' collars & Bowen jars
17. DESCRIBE PROPOSE proposed wor nent to this w Summary 7-01-74 7-02-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing.	completion or Recomple etalls, and give pertinent dates, and measured and true vertical etalls, and measured	shoe & knife; 58' collars & Bowen jars
17. DESCRIBE PROPOSE proposed wor nent to this w Summary 7-01-74 7-02-74 7-03-74 7-04-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing. Pumped 100 bbls wtr down tubing & 1	completion or Recomple etalls, and give pertinent dates, and measured and true vertical etalls, and measured	shoe & knife; 58' collars & Bowen jars
7-01-74 7-04-74 7-05-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing. Pumped 100 bbls wtr down tubing & I RIH w/shoe, 60 ft wash pipe.	tter; RIH 2' between three 4-3/4" drill op in w/outside tubing killed well; complete	shoe & knife; 58' collars & Bowen jars g cutter; mill &
7-01-74 7-04-74 7-05-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing. Pumped 100 bbls wtr down tubing & 1	tter; RIH 2' between three 4-3/4" drill op in w/outside tubing killed well; complete ling shoe, picked up	shoe & knife; 58' collars & Bowen jars g cutter; mill & outside cutter,
7-01-74 7-02-74 7-05-74 7-06-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing. Pumped 100 bbls wtr down tubing & I RIH w/shoe, 60 ft wash pipe. Completed trip out w/washpipe, mil. RIH, cut 2-7/8" tbg @ 6851'. POH, SI for nite.	tter; RIH 2' between three 4-3/4" drill op in w/outside tubing killed well; complete ling shoe, picked up rec 48' of tbg, top	shoe & knife; 58' collars & Bowen jars outter; mill & cutter, 3' was collapsed.
7-01-74 7-02-74 7-05-74 7-06-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing. Pumped 100 bbls wtr down tubing & I RIH w/shoe, 60 ft wash pipe. Completed trip out w/washpipe, mill RIH, cut 2-7/8" tbg @ 6851'. POH, SI for nite. Pick up Bowen Overshot, jars, bumpe on to fish @ 6851'. Attempted to Dialog. RIH to 10,183', held up.	tter; RIH 2' between three 4-3/4" drill op in w/outside tubing killed well; complete ling shoe, picked up rec 48' of tbg, top er sub, 2 DC's. RIH jar up & down, could showed stretch and to	shoe & knife; 58' collars & Bowen jars outter; mill & ed trip out. outside cutter, 3' was collapsed. on 2-7/8" tbg, late not move fish, rig corque to the point.
7-01-74 7-02-74 7-05-74 7-06-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing. Pumped 100 bbls wtr down tubing & I RIH w/shoe, 60 ft wash pipe. Completed trip out w/washpipe, mil. RIH, cut 2-7/8" tbg @ 6851'. POH, SI for nite. Pick up Bowen Overshot, jars, bumpe on to fish @ 6851'. Attempted to Dialog. RIH to 10,183', held up. Attempted to back off, could not experience.	tter; RIH 2' between three 4-3/4" drill op in w/outside tubing killed well; complete ling shoe, picked up rec 48' of tbg, top er sub, 2 DC's. RIH jar up & down, could showed stretch and to	shoe & knife; 58' collars & Bowen jars outter; mill & ed trip out. outside cutter, 3' was collapsed. on 2-7/8" tbg, late not move fish, rig corque to the point.
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17. DESCRIBE PROPOSE Proposed wor next to this w Summary 7-01-74 7-02-74 7-03-74 7-04-74 7-05-74 7-06-74 7-07-74	of Operations 7-1-74 thru 7-31-74 Down, no activity. Picked up 5" wash pipe, outside cur of 5" wash pipe above knives. Ran RIH to 3500'; SI for nite. Shut down for nite. Completed trip wash pipe on 2-7/8" tubing. Pumped 100 bbls wtr down tubing & I RIH w/shoe, 60 ft wash pipe. Completed trip out w/washpipe, mill RIH, cut 2-7/8" tbg @ 6851'. POH, SI for nite. Pick up Bowen Overshot, jars, bumpe on to fish @ 6851'. Attempted to Dialog. RIH to 10,183', held up. Attempted to back off, could not of SI for nite. Jarred on 2-7/8" tbg, pulled free, out, rec fish, consisted of tbg, Notes that the foregoing is true and correct	tter; RIH 2' between three 4-3/4" drill of in w/outside tubing killed well; complete ling shoe, picked up rec 48' of tbg, top er sub, 2 DC's. RIH jar up & down, could Showed stretch and toget proper torque in POH, shut down to ki	shoe & knife; 58' collars & Bowen jars g cutter; mill & ed trip out. outside cutter, 3' was collapsed. on 2-7/8" tbg, late not move fish, rig corque to the point. tubing, released din-Off Tool. SI for

n OGCC-I bo		
STATE OF UTAH SUBMIT IN TRIPLICATE* (Other Instructions on re- verse side) OIL & GAS CONSERVATION COMMISSION	5. LEASE DESIGNATION	AND BERIAL NO
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different recervoir. Use "APPLICATION FOR PERMIT—" for each proposals.)	6. IF INDIAH, ALLOTTES	HAN ZEIST SO
OIL GAB OTHER	7. UNIT AGRECANT NA	M IS
2. NAME OF OPERATOR	8. FARM OR LEASE HAM	n
Flying Diamond Corporation	J. Tidwell	
S. ADDRESS OF GENERATOR Suite 811-1776 Lincoln Street-Denver, Colorado 80203	9. WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State reculrements 5	#1 10. FIELD AND POOL, GO	19172017
See also apace 17 below.) At auriaca	Altamont	. WILDCAR
	11. SEC., T., E., E., OZ P. EUEVDY OR ALEA	LK. AND
SE NE Sec 3, TlS, R4W 1381' FNL & 1021' FEL	Sec 3, TlS, R4	1W
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OF PARISH	
6960' Ungraded Ground	Duchesne	Utah
16. Check Appropriate Box To Indicate Nature of Notice, Report, or O	ther Data	
NOTICE OF IVENETICAL POL	INT REPORT OF:	
(Other) (Note: Report results of Countering or Recognite	REPAIRING W ALTERING CAS ABANDONMENT TESS REPORT of multiple completion of tion Report and Log for	T* X
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, I proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical summary of operations 7-01-74 thru 7-31-74 (CON TD)	depths for all markers	and zones pert
Picked up 5-3/4" swedge w/bumper sub, jars, w/7- 4-3/4" tbg to 9769', SI for nite. 7-10-74 Completed trip in w/5-3/4" swedge. Tagged collapsed cstite swedging for 8' (10,199-10,207'), partially free tswedge to 10,440' w/no obstruction. ROH, well started w/wtr, SI for nite. 7-11-74 Finished POH w/5-3/4" OD Swedge, picked up 6½" OD Swedge from 5-3/4 to 6½" from 10,199 to 10,229'. 7-12-74 Ran 6½" Swedge thru collapsed interval @ 15-18,000# dra 10,229'; POH to build swedge up 6.6" OD. 7-13-74 Made 6.6" Swedge. RIH on 2-7/8" tbg. Swedged thru 10, 30,000# pull to work swedge thru, was not tite enough to Unable to clean up less than 8,000# of pull or push. 7-14-74 Maddux Well Service finished pulling 6.6 Swedge out of McCulloch & ran Electron Csg Caliper log from 13,660-90 O.K. Except for approx 10', 10,199-10,209', possible he POH, rigged down McCullouch & SI for nite.	ig @ 10,199'. It o 10,229'. Rankicking, loaded ge, RIH, swedged ag, between 10,199-10,299', recorrequire jarranchole, rigged upoo'. Csg check	Fairly n d out 159- equired ing. p ked
SIGNED R. L. Flowers, Jr. (This space for Federal or State office use)	DATE 8-14-74	

DATE _

TITLE __

		ATE OF UTAH	SUBMIT IN TRIPLICATES (Other instructions on re-		
110	& GAS CONS	SERVATION COMMISSIO	N verse side)	5. LEASE DESIGNATION AN	D ECRIAL NO.
	SUNDRY NOT be this form for propouse "APPLIC.	IICES AND REPORTS OF Sals to drill or to deepen or plug bac ATION FOR PERMIT—" for such prop	N WELLS k to a different recervoir.	6. IF INDIAN, ALLOTTES O	R TRIBE NAME
01L [7] 6.	AH OTHER			7. UNIT AGREE JEHT NAME	:
2. NAME OF OPERA	_			8. FARM OR LEAST NAME	
	Diamond Corpor	ration			
3. ADDRESS OF OPE				J. Tidwell 9. well No.	
Suite 8	111776 Linc	oln Street-Denver, Col	orado 80203	#1	
See also space 1 At surface	17 below.)	learly and in accordance with any Str	ate requirements.*	10. FIELD AND POOL, OF W	ILDCAT
	÷	•		Altamont	
				11. BEC., T., E., K., OF PLE. EURYPT OR ALEA	ZND
SE NE	Sec 3, T1S, R	4W 1381' FNL & 1021' F	EL.		AT.T
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT	, GR, etc.)	Sec 3, TIS, R4	W S. STATE
		6960' Ungraded Gr	round		Jtah
16.	Check Ap	propriate Box To Indicate Nati	ero of Notice Panel - O		
	NOTICE OF INTENT	IION TO:			
TEST WATER EB	ET-OFF		Eneurón	ENT REPORT OF:	
FRACTURE TREAT	_	WILL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	·
SHOOT OR ACIDIS		BANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CASIN	°
REPAIR WELL	c	HANGE PLANS	L	s Report	VV
(Other)			(Note: Report results	of multiple completion on \	Yell
17. DESCRIBE PROPOSI	ED OR COMPLETED OPER If well is direction	CATIONS (Clearly state all pertinent de nally drilled, give subsurface locations	tails, and give pertinent dates, i	acluding estimated date of	starting any
				depins for all markers and	i zones perti-
Summary	of Operations	s 7-01-74 thru 7-31-74	(CON'TD)		
7-15-74	Maddux Well	Service made up Baker	On (Off Mool/loft	h1 11 CC	
<u> </u>	RIH on 2-7/8	8" tbg. Found top of S	eal Assembly went o	nand back off as	sembly.
•	taten on to	Seal Assembly. Pulled	up & Shut in for ni	te.	D
7-16-74	Attempted to	o latch on & off Tool.	Unable to do so. P	OH. Picked up Bo	wen Over
7 17 74	w/3%" Grappl	les. RIH. 22 stds & Sh	ut Down for nite		
<u>/-1/-/4</u>	System on ri	in hole w/Overshot. S	I & kill well w/200	BW. Repairing Hy	draulic
7-18-74	Maddux Well	Service finished going	in holo w/Paran arm		J. 11
	Grapples, ca	aught Baker Seal Assemb	lv & Unlatch Seal Ass	sembly from FA Dk	4 ····································
	Pulled out 8	& layed down Seal Assemi	oly.	•	
<u>7-19-74</u>		plug on Wire line, held	up @ 10,204'. Pulle	ed off, RIH w/tbg	· &
	BKr retrievi	ing tool. Latched on to	o DR Plug. Applied	6000#, attempting	to
7-20-74	Pulled DR D1	btm. Would not go.	. mark and	C (1)	
//1-/4	Completed tr	lug (6.125" OD) DR plug rip in hole w/6.6" swage	Started out of he	<u> </u>	
1-22-14	completed bu	ILLing 6.6" swage. Ran	DR Plug on sand line	3	
7-23-74	Completed tr	rip out w/DR Plug, picke	ed up 6.6" OD swage.	7- 4-3/4" OD.DC.	Jars &
	Bumper sub.	Ran 80 stds. Shut do	own for nite.	, , , , , , , , , , , , , , , , , , , ,	
8. I hereby certify th	hat the foregoing is to	rue and correct			
signed_	I How	in f	Drod More	0 - 4	
	L. Flowers, J	TITLE Drlg &	riod mgr.	DATE 8-14-74	
trins apace for F	ederal or State office	use)	The second section of the second section sec		
APPROVED BY _	Ammazz	TITLE		73.4.5175	
COUNTITIONS OF	APPROVAL, IF ANY	i:		DATE	

	STATE OF UTAH	SUBMIT IN TRIPLICATE.		
OIL & GA	S CONSERVATION COMMISSION	(Other instructions on reverse side)	5. LEASE DESIGNATION	AHD RETIRE
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTE	A OR TRISE NA
Uso 1.	for proposals to drill or to deepen or plug back to "APPLICATION FOR PERMIT-" for such propose	o a dinerent reservoir.		
WELL X WELL CAS	OTHER		7. UNIT AGERTURNT NA	AHE
2. NAME OF OPERATOR	V.1154		8. FARM OR LEAST HAD	
Flying Diamond	Corporation		J. Tidwell	411
S. ADDREES OF OPERATOR			9. WELL NO.	
4. LOCATION OF WELL (Report	6 Lincoln Street-Denver, Color location clearly and in accordance with any State	ado 80203	#1 .	
See elso space 17 below.) At surface	the first the first and the accordance with any State	requirements.*	10. FIELD AND POOL, OF	E WILDCAT
			Altamont	ME AND
GT 17 G 2	m10	_	EURYET OR AREA	
SE NE Sec 3,	T1S, R4W 1381' FNL & 1021' FE		Sec 3, TlS, R4	W
	15. ELLYATIONS (Show whether DF, RT, G	·	12. COUNTY OF PARISH	
16,	6960' Ungraded Gro		Duchesne	Utah
C	heck Appropriate Box To Indicate Nature	of Notice, Report, or O	ther Data	
Noticu	OF INTENTION TO:	EUBERQUI	ENT EXPORT OF:	
TEST WATER REUT-OFF	PULL OR AUTER CASING	WATER SHUT-OFF	REPAIRING W	FELL .
FRACTURE TREAT SHOOT OR ACIDIZE	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	
REPAIR WELL	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	т•
(Other)	CHANGE PLANS		ss Report	XX
17 DESCRIPE PRADORING DE COLOR	LETED OPERATIONS (Clearly state all pertinent details directionally drilled, give subsurface locations at	t unification of Recomble	tion Report and Log form	m.)
nent to this work. If well nent to this work.) *	EFFED OPERATIONS (Clearly state all pertinent detail is directionally drilled, give subsurface locations at	is, and give pertinent dates, i id mensured and true vertical	ncluding estimated date depths for all markers	of starting an and zones per
	rations 7-01-74 thru 7-31-74 (C			
7-24-74 Comple	eted trip in w/6.6" Swage on 2-	7/8" tbg. POH, lay	y down Swage, i	ars.
bumpe	r sub. Picked up Baker On-Off	Tool, Seal Assembly		
	out plug installed. SI for nit			_
	eted trip in w/seal assembly, C pipe. Latched in to FA Packer.			
	eted trip out w/On-Off Tool, pi			
	05'. Pulled loose w/35,000#.			To ob
	sed Pkr. POH, RIH open ended t			
	ed Gel Pill (5 sxs) @ 13,794',	POH, Picked up BKI	Retromatic. R	IH
	00'. SI for nite. up on annulus w/2000 psi. Pmp	ld into unil 14 D	Δε Α 1050 pg;	
	ed w/150 sxs Class G Cmt w/1.5%			3# /ga1
Well v	went on vacuum. Disp to btm of	Pkr. Stage #2, 50	00 sxs of Class	υπ/ gar.
Cmt w	/1.5% of D-19, 0.3% R-5. Broke	and went on Vacuum.	Build up to !	500
psi d	uring displacement. Squeezed	w/650 psi. Would r	not hold. Disp	to
15' al	bove collapsed csg. SI. Bled	annulus press to 12	200 psi. WOC.	13
	IP on annulus 1700 psi. Tested	squeeze w/2000 psi	for 10 min. O	.K,
ron, \	w/Pkr.			
0 7 1				
8. I bereby certify that the for	going is true and correct			
SIGNED R. L. Flower	ers, Jr. Drlg & P	rod Mgr.	DATE 8-14-74	4
(This space for Federal or S			DATE	
	•			
APPROVED BYCONDITIONS OF APPROVA	I. IE ANY:		DATE	

Old S CAC COMMENT OF A CAC COMMENT OF THE CAT COMMENT OF THE CAC COMME	72-
OIL & GAS CONSERVATION COMMISSION (Other Instructions on	5. LEASE DESIGNATION AND RESIAU NO.
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	G. IF INDIAN, ALLOTTED OR TRIBE NAM
OIL X GAS OTHER	7. UNIT AGREE THE NAME
2. NAME OF OPERATOR	
Flying Diamond Corporation	8. FARM OR LEAST MAND
S. ADDRIES OF GPERATOR	J. Tidwell
Suite 8111776 Lincoln StreetDenver, Colorado 80203	#1
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* At surface	10. FIELD AND FOOL, OR WILDCAT
	Altamont
	11. SEC., T., E., Y., OR BUR, AND SURVEY OR AREA
SE NE 1381' FNL & 1021' FEL	G. T. O. MIG. TATA
14. Plamit no. 15. Elevations (Show whether of, nt, gr, etc.)	Sec 3, TIS, R4W 12. COURTY OR PARISH 15. ETATE
6960' Ungraded Ground	Duchesne Utah
Check Appropriate Box To Indicate Nature of Notice, Report, or	Od D
MOTICE OF INTENTION TO:	
TEST WATER RECT-OFF FULL OR ALTER CASING	QUENT REPORT OF:
FRACTURE THEAT MULTIPLE COMPLETE	REPAIRING WELL
SHOOT OR ACIDIZE ARANDON®	ALTERING CASINO
REPAIR WELL CHANGE PLANS SUGOTING OR ACIDIZING PROC	gress Report
(Other) (Note: Report result	is of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE SHOPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent date proposed work. If well is directionally drilled, give subsurface locations and measured and true verified to this work.)	s, including estimated dute of starting any cal depths for all markers and zones perti-
Summary of Operations 7-01-74 thru 7-31-74 (CON'TD)	
7-30-74 Released Bkr Pkr. POH, layed down same. Picked up	
DC, jars & bumper sub. RIH on 2-7/8" tbg. Ran 93 st 7-31-74 Completed trip in hole, tagged top of cmt @ 10,144'	
tbq. Pulled 5 stds. Pressured up on tbg & unplugged	
	•
. I hereby certify that the foregoing is true and correct	
R. L. Flowers, Jr. TITLE Drlg & Prod Mgr.	BATE 8-14-74
(This space for Federal or State office use)	DATE 0-14-74
APPROVED BY	
CONDITIONS OF APPROVAL, IF ANY:	DATE

Form OGCC-1 be

ni OGCC-1 be	c r	ATE OF THE			
VI		ATE OF UTAH	SUBMIT IN TRIPLICATES (Other instructions on re-		<u> </u>
oil oil	& GAS CONS	SERVATION COMMISSION	verse side)	5. LEASE DESIGNATION	AND RERIAL NO.
					
	JUNDRY MOT	TICES AND REPORTS OF	V WELLS	6. IF INDIAN, ALLOTTE	A OR TEIST NAME
(Do not use	this form for prope	sals to drill or to deepen or plug back ATION FOR PERMIT—" for such propo	to a different reservoir.		
1.	Use "ATPLIC.	ATION FOR PERMIT—" for such prope	osala.)		
OIL [] GA	я СП			7. UNIT AGREEMENT NA	ME
	ELL OTHER				
2. NAME OF OPERA	OR			8. FARM OR LEASE HAS	ın.
Flying Dia	mond Corporat	ion:			
3. ADDRESS C7 OPE				J. Tidwell	
0-1-017	1776 - 1	~		9. WELL NO.	
SUITE SII-	-1//6 Lincoin	n Street-Denver, Colora clearly and in accordance with any Sta	ado 80203	#1 ·	
	7 below.)	learly and in accordance with any Sta	te requirements.*	10. FIELD AND FOOL, G	C WILDCAT
At surface			• •	Altamont	
				11. EEC., T., E., M., OE E	LE. AND
				EURVET OR AREA	
SE NE Sec	3, TlS, R4W	1381' FNL & 1021' FEL	•	Con 3 MIC	D ATA
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT,	CR eta)	Sec 3, TlS,	
		i		12. COUNTY OF PARISH	<u> </u>
		6960' Ungraded Gro	ouna	Duchesne	Utah
16.	Check Ap	ppropriate Box To Indicate Natu	un of Notice Parest as C	willian David	
	Youron on himse		ne of Ronce, Report, or C	mer ucia	
	NOTICE OF INTEN	1103 20:	EUEERQU	ENT EEPORT OF:	
TEST WATER ER	UT-OFF I	PULL OR ALTER CASING	WATER SHUT-OFF]	
FRACTURE TREAT		MULTIPLE COMPLETE	· }	REPAIRING W	
SHOOT OR ACIDIZ		ABANDON*	FRACTURE TREATMENT	ALTERING CA	2170
REPAIR WELL	F-1		SHOOTING OR ACIDIZING Progress	BOTOTH ABANDONMEN	T*
(Other)	<u> </u>	HANGE PLANS	(176)1(1)		XX
				of multiple completion of ition Report and Log for	
proposed work	in or completed oper. If well is direction	RATIONS (Clearly state all per(inent del nally drilled, give subsurface locations			
nent to this wo	rk.) *	s substitute rocations	and measured and true vertical	depths for all markers	and zones perti-
Summary of	Operations 6	-01-74 thru 6-30-74			
· · · · · · · · · · · · · · · · · · ·	- 				
6-01-74 th	ru 6-09-74 t	esting.			
		not pumping. Unseated	could not got to a		
6-11-74 St	ed valve look	ing and purposed 11 mateur	, wata not get to p	pump.	
	TO AUT AG TEON	ing and pump will not p	ump out. Need sand	line 14,000'.	
	own.			•	
<u>6-13-74</u> 5	BBLS acetic	acid w/C-9 Inhibtor. Di	splaced to pump, cir	c down thru pur	np.
D:	rsbrace down	thru standing valve.			
6-14-74 th	ru 6-18-74 D	own.	•		
6-19-74 Ur	nit supposed	to be in very late today	У•		
6-20-74 Ur	nit on way ou	t, this A.M. Dead.	-		
6-21-74 D€	ead.		•	,	
6-22-74 Mc	oved Maddox w	ell service in, ran on s	sand line sinker ba	or to Dorson Oil -	
Na Na	tional Socke	t tools stopped a 10 se	one street to seed	r wypoweti OTT	ars &
nc	t pulled to	t tools, stopped @ 10,50	Do , accempt to work	toois through,	conta
110	m 11.11 tee1 co	ols, had paraffin tools	 Broke off Nationa 	I Socket, atten	ipt to
, Ει	III TS. COOTS A	w/O Socket, stopped @ ak	oout same depth. POH	i, had $15'$ of pa	ıraffin
or	toois. Disp	placed tbg w/hot wtr. A	Made up tools, RIH,	checked depth,	tool
St	copped In 306	'. POH. No oil on tools	s. Ran 2⅓" Impressi	on Block, RTH o	n sand
7.1	ne, tool stop	pped @ 10,306'. POH, b	lock shows that to be	collapsed to 2) II
Lr	identions like	e collapsed on each side	. The was drifted	& pressure test	ed in hole
to	7500 psi, w	hen run in hole. 2200 ps	si. Most pressure o	n annulus	~u ====================================
			Prepoute 0	ar minimens.	
18. I bereby certify the	at the foregoing is	true and correct	•		
SIGNED A	Lower	, Q	-	ž.	_
	. Flowers, Ji		Prod Mgr.	DATE8-/5	-74
(This space for F	ederal or State office	tree			
• • • • • • • • • • • • • • • • • • • •	white omce				
APPROVED BY _		TITLE		V3. 4 (0.00)	
CONDITIONS OF	APPROVAL, IF AN	Y:		DATE	

	STATE OF UTAH	SUBMIT IN TRIPLICATE	•
OIL & GAS	CONSERVATION COMMISSIO	(Uffier Instructions on wo	5. LEASE DESIGNATION AND SERIAL NO.
Use '	NOTICES AND REPORTS Of proposals to drill or to deepen or plug becarated for proposals to drill or to deepen or plug becarated for proposals to drill or to deepen or plug becarated for proposals to drill or to deep proposals to drill or to deepen or plug becarated for proposals to drill or to deepen or plug because of the proposals to dril	N WELLS ck to a different recervoir. posals.)	6. IF INDIAN, ALLOTTED OR TRIBE NAME
OIL CAS	OTHER		7. UNIT AGREEMENT NAME
. NAME OF OPERATOR			8. FARM OR LEASE HAME
Flying Diamond Co	rporation		1
. ADDRESS OF OPERATOR			J. Tidwell 9. WELL NO.
Suite 8111776 L	incoln Street-Denver, Color ocation clearly and in accordance with any St	ado 80203	#1
See also space 17 below.) At surface	ocation clearly and in accordance with any St	ete requirementa.*	10. FIELD AND FOOL, OR WILDCAT
-			Altamont 11. sec., T., E., M., OZ PLE, AND
GE 175 G	DATE 12011 THE 4 10211 TH		EURYNY ON AREA
SE NE Sec 3, T1S			Sec 3, TlS, R4W
	15. ELEVATIONS (Show whether pr, RT		12. COUNTY OF PARISH 18. STATE
Cl	6960' Ungraded Gro		Duchesne Utah
Ch	eck Appropriate Box To Indicate Nat	ure of Notice, Report, or C	Diber Data
NOTICE (OF INTENTION TO:	1	VENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING		7
FRACTURE TREAT	MULTIPLE COMPLETE	WATER SHUT-OFF	REPAIRING WELL
SHOOT OR ACIDIZE	ABANDON*	FRACTURE TREATMENT SUGUTING OR ACIDIZING	ALTERING CASING
REPAIR WELL	CHANGE PLANS		ess Report
(Other)		(Note: Report results	of multiple completion on Well
proposed work. If well is	TED OPERATIONS (Clearly state all pertinent de directionally drilled, give subsurface locations		etion Report and Log form.)
nent to this work.) *	directionally drilled, give subsurface locations	s and measured and true vertica	I depths for all markers and zones perti-
summary of Operat	ions 6-1-74 thru 6-30-74 (CO	N'TD)	
	pull tbg, rigged down well he		
	closing unit Motor would no		
	out 2nd closing unit, tested		2-7/8" tbg. Put 12
	got 12 rds back, shut down fo		Attombood to mat
	d to unlatch from Baker FA Pl FF Tool, unable to. Ran 1½"		
	g, ran 1" Freepoint tools to		
	ee @ 10,203'. Took 10,000#]		
stretch.			
	d to release from Pkr, Unable		
6-26-74 Disp w/w	tr. Unable to find Marker i	n fluid. Rig up Oti	s w/tapered sinker bars 🧏
	". Tag up @ 10,182'. Iron 1	Marks on Sinker Bars	, Shut in for nite.
	down this A.M.		•
	o to 80,000# tbg. Had some i		
	collapsed & partially twisted		
10,407'. 6-28-74 Completed	Will run Impression block, d trip out w/2-7/8" tbg; reco	attempt to find out	.U.D.
	d collapsed tbg.	overed 10,250 ; ran	inpression block,
iiiii ale	~ Outupour wy.		
bereby certify that the foreg	oing is true and correct		
GIGNED DI FIONE	owln (TITLE Drilli	ng and Production Mg	r. 8-15-74
R. L. Flower This space for Federal or Sta	LS, UI.		DATE 0-/3-/9
ware for blacket or Pfe	te omce use)	The state of the s	
PPROVED BY	TITLE		
CONDITIONS OF APPROVAL	, IF ANY:		DATE

2. HAMB OF OPERATOR

3. ADDRESS OF CPERATOR

STATE OF UTAH

Summary of Operations 6-1-74 thru 6-30-74 (CON'TD)

fish was 8" long, 3" Wide.

GCC-1 bo		
STATE OF UTAH	SUBMIT IN TRIPLICATE* (Other instructions on re-	
OIL & GAS CONSERVATION COMMISSION	verse side)	5. LEASE DESIGNATION AND BERIAL NO.
SUNDRY NOTICES AND REPORTS ON (Do not use this form for proposals to drill or to deepen or plug back to Use "APPLICATION FOR PERMIT—" for such proposals	WELLS of a different reservoir.	6. IF INDIAN, ALLOTTER OF TRIBE NAME
OIL X CAB WELL OTHER		7. UNIT AGREE WANT NAME
NAME OF OPERATOR		8. FARM OR LEAST NAME
Flying Diamond Corporation		J. Tidwell
ADDRESS OF CPREATOR		9. WELL NO.
Suite 8111776 Lincoln StreetDenver, Colorado	80203	#1 .
See also space 17 below.)	requirements.	10. FIELD AND POOL, OR WILDCAY
At turface		Altamont
		11. BEC., T., E., M., OF PLE. AND EURYPY OR AREA
SE NE Sec 3, TlS, R4W 1381' FNL & 1021' FEL		Sec 3, TlS, R4W
PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR	r, eta.)	12. COUNTY OF PARISE 18. REATE
60601 Its and 3 Comm		

14. PERMIT NO.	15. ELEVATIONS (Show whether pr., r	iT, Gh, etc.)	Sec 3, TlS,	
	6960' Ungraded Gr	ound	Duchesne	Utah
	opropriate Box To Indicate Na	ture of Notice, Report, or (Other Data	
NOTICE OF INTE	TION TO:	SUBBEQ	UENT REPORT OF:	
	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
21/2/2 24 12 12 12 12 12 12 12 12 12 12 12 12 12	MULTIPLE COMPLETE ABANDON®	FRACTURE TREATMENT SHOUTING OR ACIDIZING	ALTERING ABANDONM	
REPAIR WELL	CHANGE PLANS	(Other) Pro	gress Report	XX
(Other) 7. DESCRIBE PROPOSED OR COMPLETED OFF proposed work. If well is directic		Culuristian or Receive	of multiple completion letion Report and Log f	7 \

6-29-74 Completed trip in w/overshot; tagged fish @ 6802'; attempted to mill over fish, unable to do so. POH - recovered 1 piece tubing wedged in overshot;

6-30-74 Down, no activity.

18. I bereby certify that the foregoing is true and correct SIGNED	TITLE Drlg & Prod Mgr.	DATE 8-15-74
APPROVED BY	TITLE	DATE

	STA	TE OF UTA	Н	SUBMIT IN TRIPLE	CATE*		
OIL &	GAS CONS	ERVATION	COMMISSION	(Other Instructions verse side)	on re-	5. LEASE DESIGNATIO	M AND RERIAL NO
SU (Do not use th	NDRY NOTI	CES AND ols to drill or to TION FOR PERM	REPORTS ON deepen or plug back	N WELLS to a different recervoir.		6. IF INDIAN, ALLOTT	ILA CEIST SO EST
OIL X GAS WELL	· []			And an action of the color of t		7. Unit AGERTUANT	NAME
2. NAME OF OPERATOR			n referency, met – mysrowy stade anythelisente, gave a basis and a separation, so a			8. FARM OR LEASE H	TAB
Flying Diamon	nd Corporati	on.				T Mid-m11	
3. ADDEERS OF GPERAT	0.3					J. Tidwell 9. WELL NO.	
Suite 8111						#1 .	•
4. LOCATION OF WELL See also space 17 b	(Report location ele	erly and in accor	dance with any Sta	te requirements.		10. FIELD AND FOOL,	TADCAIN 10
At surfacê	÷			•		Altamont	
						11. BEC., T., E., K., OZ EURVEY OR AZI	E PLA. AND
				•		CORTEL OR ALI	•••
	3, T1S, R4W		NL & 1021' F			Sec 3, T1S,	
14. PERMIT NO.		1	Show whether pr, ar,			12. COUNTY OF PARIS	1 _
	·	6960	Ungraded Gr	ouna]	Duchesne	Utah
16.	Check Ap	ropriate Box	To Indicate Nati	ire of Notice, Report	. or O	ther Data	
	NOTICE OF INTENT				-	INT REPORT OF:	
#F0# **! *** #T**	~~ []	· · · · · · · · · · · · · · · · · · ·		•			
TEST WATER SHUT-		ILL OR ALTER CAS		WATER SHUT-OFF		REPAIRING	
SHOOT OR ACIDIZE		ULTIPLE COMPLET BANDON*	·	FRACTURE TREATMENT		ALTERING	
REPAIR WELL		IANGE PLANS		(Other)		ess Report	11
(Other)		,		(Note: Report	results o	f multiple completter	a en Well
17. DESCRIBE PROPOSED (proposed work.) nent to this work.) Summary of O	•	any drinea, give	adastrice oftens	talls, and give pertinent and measured and true	• • • •	tion Report and Log f neluding estimated di depths for all marke	
5-01-74 thru	5-04-74 Sh	nut in.		du dan Cond		+ landed tub	ing
Wil 5-06-74 212	1 remove BOF	. Install hole. Hyd	tree. One in	wtr down. Spac Master valve. hole & driftin		Found 7 bad j	
5-07-74 Shu 5-08-74 thru	t in.			•			
5-13-74 Suc	tion line wa	as filled w	/oil. Steam	ed out & return	ed to	pumping @ 1:	30 A.M.
5-14-74 thru					_		
5-26-74 tes 5-27-74 Cha	nged out Bot	tom Hole P	ump. Could:	arted again. N not get new pum	ation p to	al will check operate. Pum	ping
	pump out of	noie this	A.M.				
5-28-74 Cha 5-29-74 thru		esting.		·			
18. I bereby certify that	t the foregoing is f	rue and correct					
SIGNED T	Tlawen	8	TITLE Drlg &	Prod Mgr.		DATE _ 8-	15-74
К. Ц.	Flowers, Jr.					DATE 0	
(This space for Fed	arer or prace orace	use)				The second secon	
APPROVED BY A TO SCITIONO		Y:	TITLE			DATE	

	ATE OF UTAH	SUBMIT IN TRIPLICATE (Other instructions on		
OIL & GAS CONS	SERVATION COMMISSI		5. LEASE DESIGNATION	M JAIRBR CHAP
(Do not use this form for propo	IICES AND REPORTS (sals to drill or to deepen or plug l ATION FOR PERMIT—" for each p	back to a different reservoir.	6. IF INDIAH, ALLOTTI	CA OR TEIST NA
OIL X CAS OTHER			7. UNIT AGREE GENT N	4%2
2. NAME OF OPERATOR			8. FARM OR LEASE NA	.un
Flying Diamond Corporat 3. ADDRESS OF SPREATOR	ion		J. Tidwell	
Suite 8111776 Lincoln 4. Location of Well (Report location of See also space 17 below.)	Street-Denver, Colo	orado 80203 State requirements.*	#1 10. FIELD AND FOOL, (OF, WILDCAT
At turface			Altamont 11. BEC., T., E., K., OR EURYPE OR ALE	
CD ND Com 2 mlC DAV	1381' FNL & 1021' FE	ग	•	
SE NE Sec 3, TIS, R4W	15. ELEVATIONS (Show whether of		Sec 3, T1S,	R4W
	6960' Ungraded G	Fround	Duchesne	Utah
6. Check Ap	ppropriate Box To Indicate N	lature of Notice, Report, c	r Other Data	
NOTICE OF INTEN	NTION TO:	SUBS	EQUENT REPORT OF:	
FRACTURE TREAT	FULL OR ALTER CASING MULTIPLE COMPLETE ABANDON*	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REPAIRING ALTERING O	CASINO
REPAIR WELL (Other)	CHANGE PLANS	(Other)(Note: Report resu	Progress Report ilts of multiple completion appletion Report and Log for	on Well
17. DESCRIBE PROPOSED OR COMPLETED OFE proposed work. If well is direction nent to this work.)* Summary of Operations 4	onany ormed, give subsurince local	t details, and give pertinent dat lions and measured and true ver	ies, including estimated ou fical depths for all marker	re of starting i
4-1-74				
thru				
4-06-74 Swab 24 hrs.; most of night.	to 5500. Fluid level Hit fluid 3400-5000' . Dead fluid, oil is	dead. Not any gas.		10,000
$\overline{4-08-74}$ Well dead.	id 3500'. Rigged dowr day w/Swab unit.	n swab units. Fluid	dead oil.	
4-11-74 Swabbed to 180	00'. Well kicked off Flowed 1000' - 1800'	& started flowing l'. Well did not wan	8/64" choke; 200; t to unload. Wi	#. L1 swab
$\frac{4-14-74}{4-15-74}$ Swabbed 3 hrs.	. 65 hrs total fluid. 11 move NOWSCO over to	oday & unload.		
4-16-74 Ran in to 11,0	000', well unloaded waren string, well flowed	nitrogen. Flowing vi d 15 BO overnite. 12	w/800 psi on 3/4 hrs. died.	"choke,
	Wall is dood			
pulled nitroge 4-17-74 thru 4-18-74 V 4-19-74 thru 4-29-74 S	Well is dead. Shut in.			
4-17-74 thru 4-18-74 v 4-19-74 thru 4-29-74 S	Shut in. /			
4-17-74 thru 4-18-74 V	Shut in.	lling & Production M	gr. 8	-15-74

m OGEC-1 b.	STATE OF UTAH SUBMIT IN TRIPLICATES	V
OIL	& GAS CONSERVATION COMMISSION (Other instructions on reverse side)	5. LEASE DESIGNATION AND SERIAL NO.
(Do not use	JNDRY NOTICES AND REPORTS ON WELLS this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL A GAS	L OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATO		8. FARM OR LEASE NAME
Flying D:	iamond Corporation	J. Tidwell
	l1776 Lincoln StreetDenver, Colorado 802	9
4. LOCATION OF WELL See also space 17 At surface	(Report location clearly and in accordance with any State requirements.* below.)	10. FIELD AND FOOL, OR WILDCAT Altamont
SE NE Se	2 3, T1S, R4W 1381' FNL & 1021' FEL	11. BBC, T, R, M, OR BLE. AND BURNEY OR AREA Sec 3, T1S, R4W
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
	6960' Ungraded Ground	Duchesne Utah
16.	Check Appropriate Box To Indicate Nature of Notice, Report, or C	Other Data
	JENT REPORT OF:	
TEST WATER SHUTFRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	MULTIPLE COMPLETE ABANDON* CHANGE PLANS MILTURE TREATMENT SHOOTING OR ACIDIZING (Other) Progress (Note: Report results	REPAIRING WELL ALTERING CASING ABANDONMENT* SReport of multiple completion on Well etion Report and Log form.)
	or COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, if well is directionally drilled, give subsurface locations and measured and true vertices.)* of Operations 8-1-74 thru 8-31-74	
$\frac{8 - 01 - 74}{8 - 02 - 74}$	Madux Well Service drlg out cmt 10,154-10 Waiting on BJ Mechanic to find trouble w/Pressured up squeeze job, would not hold. back drlg assembly. Picked up Baker Retr Went 25 stds in hole. SI for day.	pmp truck. POH, set
8-03-74	Completed trip in w/pkr, set 7-5/8" Baker 9,885'. Mixed 350 sxs Class "G" Cmt w/l. CIP @ 13:55 hrs. Will test @ noon.	Retromatic @ 5% D-19 0.3% R-5.
8-04-74	WOC for 23 hrs. Tested squeeze #3 w/2000 POH, lay down packer. Pick up 5-3/4" mil 7-4-3/4" DC jars. Ran 100 stds 2-7/8" t	1, Bumper sub,
8-05-74	Completed trip in w/mill, tagged cement @ to 10,177'. Plugged tbg. POH, cleaned of for nite.	10,157'. Dr1d
8-06-74 8-07-74	Completed unplugging tools & RIH. Drlg out cmt 10,202-10,265'. circ btms u cuttings in samples. Pressure tested 200 out of hole to change mills. Will run st	0 psi, O.K. Pulling
18. I hereby certify the	4"-5-3/4" tapered mill; 7 D.C., jars, bum	per sub.
SIGNED A	Flowers, Jr. TITLE Drlg and Prod Mgr.	يستون وال
	deral or State office use)	
APPROVED BYCONDITIONS OF .	APPROVAL, IF ANY:	DATE

SUBMIT IN TRIPLICATES

	OIL & G	AS CONSI	ERVATION	COMMISS		le)	5. L	EASE DESIGN	ATION AR	ND SERIAL NO.
	SUND	ORY NOTI	CES AND	REPORTS deepen or plug	ON WELL back to a difference proposals.)	.S ent reservoir.	6. 15	'INDIAN, AL	LOTTER (OR TRIBE NAME
ī.	OIL GAS	٦			<u> </u>		7. U	NIT AGREEMI	IMAN THI	
2.	WELL X WELL L	OTHER						RM OR LEAS	E VAME	
	Flying Diam	and Car	noration				8. 77			: 1
8.	ADDRESS OF OPERATOR	tona con	poracion				000 de w	J. T	Lawe	<u>L. T </u>
	Suite 811	1776 Li	ncoln St	reetDe	nver, Go	olorado	80403	#1		
4.	LOCATION OF WELL (Rep See also space 17 below At surface	ort location cle						Altar		VILDCAT
	SE NE Sec 3	, T1S,	R4W 138	1' FNL 8	1021' F	FeL	11. 4	Sec., T., R., M	ARBA	LS, R4W
14.	PERMIT NO.	-v 	15. BLEVATIONS	(Show whether p	F, RT, GR, etc.)		12. 6	OUNTY OR P	ARISH 1	8. STATE
				Ungrade		1		chesne		Utah
16.		CL _1 A					<u>'</u>			
			propriate Box	lo Indicate F	Nature of Not	rice, Keport,	or Other I	Jata		
	NOT	CICE OF INTENT	ION TO:			801	Barquent Ri	PORT OF:		
	TEST WATER SHUT-OFF	Pt	JLL OR ALTER CA	SING	WATER S	SHUT-OFF		REPAI	RING WEI	LL
	FRACTURE TREAT		ULTIPLE COMPLET	TE	FRACTUR	E TREATMENT		ALTER	ING CASI	NG
	SHOOT OR ACIDIZE REPAIR WELL		BANDON*	 		G OR ACIDIZING		_	ONMENT*	
	(Other)	CE	IANGE PLANS		(Other)	OTE: Report re	gress sults of mul	tiple comple	etion on	Well XX
7.	DESCRIBE PROPOSED OR CO proposed work. If w nent to this work.) *	MPLETED OPERA	ATIONS (Clearly s ally drilled, give	state all pertinen subsurface loca	t details, and g tions and measu	mpletion or Rec ive pertinent d red and true vo	completion R lates, includi ertical depth	eport and L ng estimate is for all m	og form. d date o arkers ar) of starting any ad zones perti-
	Summary of	Operati	ons 8-1-	74 thru	8-31-74	(CONT'D	<u>)</u>			
		1/4" me mill 4-	ed trip tal mark 3/4" to	s along 5-3/4".	outside RIH to	edge. 9980'.	Picked Shut	l up ta in for	apere r nit	ed te.
		materia materia 10,285- trace o	t 10,265 1 w/stee 1 & had 295' rec f steel	1 cutting reduction covered coutting.	ngs. 267 on in vol omt w/tra	7-285 re Lume of aces of	covere steel lost c	d cmt cuttin	. los ngs. ateri	st cir ial
	8-10-74	FA Pack	<pre>drlg cmt er, circ i, bled</pre>	out hol	.e. Pull	l back u	ent. R ip to 9	an in	to to teste	op of ed to
	8-11-74	Complet 4' pup, teflon	ed trip hydraul seals on	out, lay ic pump each jt	red down cavity. Shut	DC & pi Ran 35 down fo	stds, r nite	repla	acing	3
	8-12-74		running 5 stds i		bg, inst	talling	tef1on	seal:	s in	each
	8-13-74		ed trip pkr. R							
	I hereby certify that the	foregoing is t	rue and correct	т	lmla and	Dmod Ma	- 20			
_	SIGNED R. L.	Flowers	, Jr.	TITLE	rlg and	Proa Mg		DATE	9-19-	74
	(This space for Federal	or State office	use)							
	APPROVED BY	OWAT TO ANY	7.	TITLE			1	DATE		

SUBMI	r in	TRIPL	[CA]	LE.
(Other	instr	uctions	on	re-

OIL & GAS CONSERVATION COMMISSION SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)						6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
								I. OIL (V) GAS
WELL WELL 2. NAME OF OPERATOR	OTHER					70°		
	1				8. FARM OR I			
Flying Diamond Corporation ADDRESS OF OPERATOR						J. Tidwell		
Suite 811-	·-1776 Li	inco1n St	reetDe	nver, Colorado	80203 #1			
. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface						10. FIELD AND POOL, OR WILDCAT Altamont		
						., M., OR BLK. AND OR AREA		
SE NE Sec	3 T1S	PAW 138	RI! ENI E	1021' FEL	Sec	3, T1S, R4W		
4. PERMIT NO.	3, 110,	15. BLEVATIONS	(Show whether pr	7, RT, GR, etc.)		R PARISH 18. STATE		
		1		d Ground	Duche	sne Utah		
3.	Charle A.				O.L. D			
_			to indicate t	lature of Notice, Report,				
	OTICE OF INTENT	rion to:		80	BREQUENT REPORT OF	:		
TEST WATER SHUT-OF	P P	ULL OR ALTER CA	SING	WATER SHUT-OFF	RE	PAIRING WELL		
FRACTURE TREAT	<u> </u>	ULTIPLE COMPLE	TE	FRACTURE TREATMENT	AL	TERING CASING		
SHOOT OR ACIDIZE		BANDON*	-	SHOOTING OR ACIDIZING	ress Repor	ANDONMENT*		
REPAIR WELL	c	HANGE PLANS		(
(Other)	COMPLETED OPER	ATIONS (Clourly	State all poutings	Completion or Ret details, and give pertinent of	esults of multiple con completion Report an	d Log form.)		
proposed work. If nent to this work.) *	wen is unrection	ally drilled, give	subsurface loca	tions and measured and true v	vertical depths for all	markers and zones perti-		
Summary of	Operati	ons 8-1-	74 thru	8-31-74 (CONT'I	<u>))</u>			
8-14-74	Complet	ed ninn1	ing un w	ell head disn	tuhing w/h	ot wtr		
	Completed nippling up well head, disp tubing w/hot Ran drift on wire line, O.K. Mixed Calgon S-31 (4)					(A Arims		
	& 80 BB	Ls Wtr)	Attempt	ed to knock out	Baker Plu	g w/sand line		
	pressur	ed up to	1500, s	till unable to	knock out	plug. Riggi		
	up Go I	nternati	onal w/c	ollar locator,	sinker bar	s. Will che		
	collars	;	•					
<u>8-15-74</u>	Rig down W/O Rig. Rig up OWP. RIH w/Collar Locator, found							
	plug ha	id been k	nocked o	ut. Pumped in	80 BBLs sa	1t wtr w/scal		
	inhibit	or (220	gallons)	S-31 Calgon.	Min press	500; Max		
0 16 54	1800 ps	i. Drop	ped stan	ding valve, SI.				
$\frac{8-16-74}{3-17-74}$	Circ ho	t wtr 7	hrs. Dr	opped pump. Co	uld not ge	t to seat.		
$\frac{8-17-74}{8-18-74}$		pump. R	an back.					
$\frac{8-18-74}{8-19-74}$	Testing							
$\frac{8-19-74}{8-20-74}$	Testing	•						
$\frac{8-20-74}{8-21-74}$	Testing Testing							
$\frac{8-21-74}{8-22-74}$	Testing							
$\frac{3 - 22 - 74}{8 - 23 - 74}$	Testing							
	, 0							
. I hereby certify that	the foregoing is	true and correct		-1 1 D - 1 M		6 10 - 1		
SIGNED R	Flowers	Jr	TITLED	rlg and Prod Mg	T. DATE _	9-19-74		
(This space for Feder								
ADDDOUMN DW			m					
APPROVED BY CONDITIONS OF AP	PROVAL, IF AN	IY:	TITLE		DATE _			

S	ΤΑ	TF	വ	FI	T.	ΑH

011.4	STATE OF UTAH	SUBMIT IN TRIPLICATE* (Other instructions on reverse side)	5. LEASE DESIGNATION	AND SERIAL NO.
SUI	VDRY NOTICES AND REPORTS (s form for proposals to drill or to deepen or plug l Use "APPLICATION FOR PERMIT—" for such p	ON WELLS	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1.	OSE AFFEIGATION FOR FERMIT— TOF BUCH D	Proposais.	7. UNIT AGREEMENT NA	MB
OIL GAS WELL	OTHER		I CALL LUBBARANI AL	~-
2. NAME OF OPERATOR			8. FARM OR LEASE NAM	[B
Flying Diar	mond Corporation		J. Tidwe	11
8. ADDRESS OF OPERATO	OR -		9. WELL NO.	
_Suite 811-3	1776 Lincoln StreetDenve	er, Colorado 8020	B #1	
4. LOCATION OF WELL (See also space 17 be At surface	Report location clearly and in accordance with any low.)	State requirements.*	Altamont 11. SEC., T., B., M., OR B	
	3, T1S, R4W 1381' FNL & 3	1021' FEL	Sec 3, T	
14. PERMIT NO.	15. BLEVATIONS (Show whether DF		12. COUNTY OR PARISH	ł
	6960' Ungraded	d Ground	Duchesne	Utah
16.	Check Appropriate Box To Indicate Notice of Intention to:	• • •	other Data Ent REPORT OF:	
TEST WATER SHUT-	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	BLL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	SING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	т•
REPAIR WELL	CHANGE PLANS	()	ss Report	XX
(Other)		Completion or Recomple	of multiple completion o tion Report and Log for	m.)
			including estimated date l depths for all markers	of starting any and zones perti-
Summary of	Operations 8-1-74 thru 8	-31-74 (CONT'D)		
$ \begin{array}{r} 8-24-74 \\ 8-25-74 \\ \hline 8-26-74 \\ \hline 8-27-74 \\ \hline 8-28-74 \\ \hline 8-29-74 \\ \hline 8-30-74 \\ \end{array} $	Testing Testing Testing Testing Testing Testing Testing			

18. I hereby certify that the foregoing is true and correct signed R. L. Flowers, Jr.	TITLE Drlg and Prod Mgr.	DATE 9-19-74
(This space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

222												*
orm OGQC-3	OIL & GA		STATE ONSERV					struc	ATE* other in- tions on se side)	1	IGNAT	ION AND SERIAL NO.
WELL CO	MPLETION	OR	RECO	MPLET	ION F	REPOR	T AN	D LO	G *	6. IF INDIAN,	ALLO	TTEE OR TRIBE NAME
1a. TYPE OF WEL			GAS WELL	<u> </u>		Other				7. UNIT AGRE	EMENT	NAME
b. TYPE OF COM	PLETION:					Other						
WELL X	OVER L EN	EP-	PLUG BACK	DIFF		Other				S. FARM OR I		
2. NAME OF OPERAT		Corm	ozatio	n						J. Tid	we.L.	<u> </u>
3. ADDRESS OF OPE	amond Oil	COLL	OLACIO	11						#1		
Suite 900	1700 Bro	oadwa	yDen	ver, C	0 80	0202				10. FIELD AND	POOL	, OR WILDCAT
4. LOCATION OF WEI	LL (Report locati	on clear	rly and in		•			•		Altamo		OR BLOCK AND SURVEY
			SE NE	1381'	FNL 8	§ 1021	' FEI	ı		OR AREA	., M., C	OR BLOCK AND SORVET
At top prod. int	erval reported be	elow										
At total depth										Sec 3-T		
					RMIT NO.	000	DATE	ISSUED		12. COUNTY O		13. STATE
15. DATE SPUDDED	16. DATE T.D. F	REACHE) 17. DAT	43-0	13-302 (Ready to		18. ELE	VATIONS (D	F. RKB.	Duchesn		Utah
3-6-73	8-10-73	3		3-27	-74		-0			aded Groun	nd	
20. TOTAL DEPTH, MD	4 TVD 21. PLU	G, BACK	T.D., MD &	TVD 22.	IF MULT	TIPLE COM	PL.,	23. INTE	CRVALS	ROTARY TOOL	s	CABLE TOOLS
18,760 1 24. PRODUCING INTER		18,70		POTTOM	NAME (M	D AND TW	n) *		→	All	1 25	. WAS DIRECTIONAL
26. TYPE ELECTRIC A	3613') OA ND OTHER LOGS C-GR; Neut	RUN	wal								27. W	NO AS WELL CORED NO
28.	WEIGHT, LB.	/ ·		NG RECO			ngs set i					
13-3/8"	68#	71.	37		17	E SIZE		217 s	ENTING	RECORD		None
9-5/8"	40#		744		12					+ 150 sxs		None
7-5/8"	29.70#		1420			- 3/4"		228 +				None
29.		<u> </u>				**						
SIZE	TOP (MD)		RECORD	SACKS CE	MENT*	SCREEN	(MD)	30.		DEPTH SET (MD		PACKER SET (MD)
5½"	18,709'		3,760'	70				2-3/	,	DELTH SET (MD	' -	Heat string
			1					2-7/	/8"	13,600'		13,600'
31. PERFORATION REC	ORD (Interval, si	ze and	number)			82.		ID, SHOŤ,	FRACT	URE, CEMENT		
							AAA-1	L (MD)		000 gal 1		
ATTACHED LI	IST							3,613)				acid; 20,000
										s 7½% HCI		
33.*	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	D205	FRAC	JOB		168,	200 gal Si	uper.	E frac flui
DATE FIRST PRODUCTI			METHOD (F	lowing, ga		UCTION mping—si	ze and t	ype of pum	(p)	WELL S		(Producing or
9-1-73	HOURS TESTED	lowir	ng	l pron's	, mor	011 -4-				Pro	oduc	
3-28-74	16	11-	-16/64"	<u></u>	PERIOD	он.—вы 747		GAS—MC		WATER—BBL. 243		531
650-800#	CASING PRESSU	24	-HOUR RATI	" 112			—мс г . 595].	water- 36	1	OIL GR	AVITY-API (CORR.) 42
34. DISPOSITION OF GA	as (Sold, used for	Juel, v	ented, etc.)							TEST WITNESS	ED BY	

31 Perforation Record

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records TITLE .

35. LIST OF ATTACHMENTS

INSTRUCTIONS

submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and inthinegard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and or State instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in item 24 show the producing interval. A completed for separate production from more than one interval some (miltiple completion), so state in item 22, and in item 24 show the producing for each additional interval. A performance of the cementing tool.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced, showing the separately produced. (See Instruction for lease interval) to be separated to this form for each interval to be separated to this form for each interval to be separated to this form for each interval to be separated to this form for the completion report on this form for each interval to be separated to the completion report or this form for each int General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be

	a.	TRUM VERT. DEPTH		 		
GEOLOGIC MARKERS	TOP	MRAS. DEPTH	7980° 12750'		 	
38. GEOLOG			Green River Wasatch			
CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING AND SHUT-IN PRESSURES, AND RECOVERIES	DESCRIPTION, CONTENTS, ETC.					
TENTS THERBOF; CORED INTE					 	
OROSITY AND CO	BOTTOM					
ROUS ZONES: RIANT ZONES OF P. TESTED, CUSHION	TOP					
37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTATE SONES OF POROSITY AND CONTENTS THERBOF; DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, PLOWING	FORMATION					

FLYING DIAMOND OIL CORPORATION J. TIDWELL #1

PERFORATION RECORD: Item #31

17,440'	1	8,016'
17,450'	1	.8,022
17,463'	1	8,027
17,488'	1	8,124'
17,491½'	1	8,206'
17,511	1	8,212'
17,517'	1	.8,384 '
17,552'		8,400'
17,569'		.8,439'
17,590'	1	8,442
17,603'	1	.8 , 567'
17,606'	1	8,571'
17,637-3/	'4 1	8,613
17,659'		
17,685½'		
17,692'		
17 , 712⅓'		
17,780'		
17,783'		
17,829'		
17,852'		
17,876'		
17,880'		
17,897⅓'		
17,902'		

AZ

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

SUBMIT IPLICATE*

(Other in fractions on reverse side)

		ON OF OIL, GAS, AND MI		5. LEASE DESIGNATION AND SERIAL NO. Fee
	SUNDRY NOTI	CES AND REPORTS (alls to drill or to deepen or plug b TION FOR PERMIT—" for such p	ON WELLS lack to a different reservoir. roposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME
1.	OIL X GAS		And the second s	7. UNIT AGREEMENT NAME
2	NAME OF OPERATOR		distriction of the second and the second	8. FARM OR LEASE NAME
	Bow Valley Petrole	eum, Inc.	LEVIOUR UP	J. Tidwell
8.	ADDRESS OF OPERATOR		Company to the first the	9. WELL NO.
	P.O. Drawer 130, F			1-3A4 10. PIELD AND FOOL, OR WILDCAT
4.	LOCATION OF WELL (Report location cle See also space 17 below.)	early and in accordance with any	State requirements.	Altamont-Wasatch
	At surface 1381' FNL	1021' FEL, SE%	NE⅓	11. SEC., T., B., M., OR BLK. AND
	•	TIS, R4W, USM		SURVEY OR AREA
				Sec.3, TlS,R4W, USM
14.	PERMIT NO.	15. BLEVATIONS (Show whether DF		12. COUNTY OR PARISH 18. STATE
	43-013-30208	6960° Ung.	raded ground	Duchesne Utah
16.	Check Ap	propriate Box To Indicate N	lature of Notice, Report, or C	Other Data
	NOTICE OF INTENT			JENT REPORT OF:
	TEST WATER SHUT-OFF	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
		CULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CABING X
		BANDON*	SHOUTING OR ACIDIZING X	ABANDONMENT*
	REPAIR WELL C	HANGE PLANS	(Other) Report results	of multiple completion on Well
	(Other)		('ompletion or Recompl	etion Report and Log form.)
17.	proposed work. If well is direction	ATIONS (Clearly State all pertinen nally drilled, give subsurface loca	it details, and give pertinent dates, tions and measured and true vertica	including estimated date of starting any al depths for all markers and zones perti-
Begir	nent to this work.)* nning December 16, 1	1983, the followi	ng work was perfor	med on the well:
(1	Milled and cleaned	l out to 13770'.		•
(2	Set A Model S #2AA			16#
(3	Ran and cemented a per gallon Class '		from 86/6' to 136	567' with 385 sx 16#
(4			ation intervals or	n Feb. 14, 1984 with
(-2				20 degrees as follows:
		311-10 17,234		
		306-04 17,225		
	17,470-64 17,	,261-59 17,221 254-53 17,221	-19	7 147
(5	17,358-56 17, Intervals were act		-206 Total 47 f 0 gallons 15% HCl	
	ncrease in production 16 days, only a smal			s work. After swabbing
	2 . 2	· · · · · · · · · · · · · · · · · · ·		
	d on these results, he Green River Forma		be abandoned and	the well recompleted
				,
				, , , , , , , , , , , , , , , , , , ,
_				
18	I hereby certify that the foregoing is	7	dan a saadaa aa mar ah ah ah ah	2.7.24
	SIGNED Wichelle Fine	reson TITLE ng	<u>ineering Technicia</u>	an DATE 3-7-84
=	(This space for Federal or State off	ce use)		
	APPROVED BY	TITLE		DATE

SUBM TRIPLICATE* (Other instructions on reverse side)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISIO	ON OF OIL, GAS, AND MI	NING	5. LEASE DESIGNATION AND BERIAL NO.
SUNDRY NOTI	CES AND REPORTS (als to drill or to deepen or plug to TION FOR PERMIT—" for such p	ON WELLS pack to a different reservoir.	6. IF INDIAN, ALLOTTES OR TRIBE NAME
	TION FOR PERMIT—" for such p	roposals.)	7. UNIT AGREEMBNT NAMB
WELL GAS WELL OTHER			8. FARM OR LEASE NAME
Bow Valley Pet	troleum		Tidwell
ADDRESS OF OPERATOR			9. WELL NO.
P.O. Drawer 13	30, Roosevelt, Uta		1-3A4
LOCATION OF WELL (Report location closes also space 17 below.)	early and in accordance with any	State requirements.*	10. FIELD AND POOL, OR WILDCAT
At surface	1021' FEL SE' NE		Altamont 11. SEC., T., B., M., OR BLE. AND
1301 1111,	TOZI IDD DD4 ND	4	SURVEY OR ARBA
			Sec 3,TlS,R4W
14. PERMIT NO.	15. BLEVATIONS (Show whether DE	, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
43-013-30208	6960' Ungra	aded ground	Duchesne Utah
6. Check Ap	propriate Box To Indicate N	lature of Notice, Report, or	Other Data
NOTICE OF INTENT	•		QUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	CULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	BHOOTING OR ACIDIZING	X ABANDONMENT*
REPAIR WELL C	HANGE PLANS	(Other) (Note: Report resul	ts of multiple completion on Well
(Other)	PATIONS (Clearly state all pertines	('ompletion or Recom	pletion Report and Log form.) s, including estimated date of starting any ical depths for all markers and zones perti-
Additional Wasato substantially.	ch formation perfo	orations did not Bow Valley select	increase production ively perforated
Green River inten 13616-18 13598-605 13494-501 13424-430	13135-39 13 13122-26 13 13110-12 13	guns, 3 JSPF, ph 3052-54 13146- 3339-48 3323-26 3282-84	ased 120 ⁰ as follows: 50
Pending results of to either comming	obtained from this	s work, approval o plug back the W	will be requested asatch and produce
			tong course
		and the state of t	
		DIVISION G	F
18. I hereby certify that the foregoing is SIGNED Michelle Eleni	MEinerson TITLE Eng	الله GAS & Mil gineering Technic	12 DATE 3-15-84
(This space for Federal or State off			
APPROVED BY	TITLE		DATE

	TE OF UTAH	e ter	ride)
DEPARTM	5. LEARE DESIGNATION AND BERIAL NO.		
DIVISIO	N/A		
	Dt	- OF the	6. IF INDIAN, ALLOTTED OR TRIBE HAMI
SUNDRY NOTI (Do not use this form for propositive "APPLICA"	CES AND REPORTS LIGHT OF TO GEORGE OF PLUI TION FOR PERMIT—" for guch	back to a different reservoir.	N/A
1.		T 0 1 1984	7. UNIT AGREEMBNT HAMB
OIL X WELL OTHER		· 1 1364	N/A
2. NAME OF OPERATOR	DIVI	SION OF OIL	8. FARM OR LEASE HAMB
Bow Valley Pet:	roleum, Inc. GAS	S & MINING	Tidwell
S. ADDRESS OF OFBRATOR		A WINING	9. WELL NO.
P.O. Drawer 13	0, Roosevelt, Uta	ah 84066	1-3A4
4. LOCATION OF WELL (Report location cl	early and in accordance with a	ny State requirements.	10. FIELD AND FOOL, OR WILDCAT
See also space 17 below.) At surface			Altamont
1381' FNL, 102	1' FEL. SE NE		11. BBC., T., B., M., OR BLK. AND BURYET OR ARBA
1301 1111, 101			Sec.3, TlS, R4W
·			12. COUNTY OR PARISH 18. STATE
14. PERMIT NO.	16. BLEVATIONS (Show whether	DF, RT, GR, etc.)	
43-013-30208	6960' Ungraded	d ground	Duchesne Utah
16. Check Ap	propriate Box To Indicate	Nature of Notice, Report, or	Other Data
NOTICE OF INTER			QUENT REPORT OF:
			REPAIRING WELL
	PULL OR ALTER CASING	WATER SHUT-OFF	ALTERING CABINO
	CULTIPLE CONPLETE	PRACTURE TREATMENT	ABANDONMENT®
	ABANDON*	Commingle	d Wasatch & G.R. XX
BEFAIR WILL	HARGE PLANS	(None - Depost seem)	ts of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.) *	RATIONS (Clearly state all pertinually drilled, give subsurface k		s, including estimated date of starting a cal depths for all markers and zones per
	•		
The Wasa and the well	tch and Green Richas been produci:	ver formations have ng from both zones	been commingled since March 24, 1984.
Bottom p is at 13,052'		e well is at 18,613	' and top perforation
Current	average daily pr	oduction is 28 BOPI	o, 0 BWPD, 4 MCFD.

18. I hereby certify that the foregoing is true and gor	ect		
BIGNED MICHELSE EINERSON	TITLE Eng. T	echnician	DATE 9-28-84
(This space for Federal or State office use)	<u>.</u>		
APPROVED BY	TITLE		DATE

Operator: 🎉	ow VAlley Pet.	Well No.	_1-3	A4	
County: Duc	· ·			1	13-30208
New Well C	Conversion 🖊 Disposal W	Vell <u> </u>	nhanced	Recovery	/ Well
				YES	NO
UIC Form	ns Completed				
Plat inc and we	cluding Surface Owners, lells of available record	easeholde	rs,		~
Schemati	ic Diagram				
Fracture	e Information			NA	
Pressure	e and Rate Control				
Adequate	e Geologic Information				V
Fluid So	ource			frod. w.	nfre
Analysis	of Injection Fluid	Yes Saur	₩ No	o	TDSNICOOO
Analysis to be	of Water in Formation injected into	Yes	// No	o	TDS N/2000
Known US	DW in area	Duck & -	White	_ Depth,	N4000'
Number o	of wells in area of revie	ew	_ Prod.	•	P&A
			Water	<u> </u>	Inj.
Aquifer	Exemption	Yes		NA	
Mechanic	al Integrity Test	Yes _	- He	wille	Se propa to
		Date	قو	Type	
comments: Wan	South guttusst	od pfs	No dell	offset	vells
nterfere v.	south Entres produced.	from 4	hose o	Pret a	veds.
Reviewed by:	AS		16/85		

MEMO TO FILE

Bow Valley Petroleum, RE: Incorporated Application for Disposal Tidwell 1-3A4

TlS, R4W, Section 3 Duchesne County, Utah

Review of the above referenced application revealed the following facts.

Contrary to the statement on the letter from Bow Valley concerning offset wells. There has been no offset wells drilled to the Green River-Wasatch zones in the sections contiguous to section 3. The three plugged and abondoned wells referenced in Bow Valley's letter were never drilled with the exception of the well in section 2 which was spud by Flying Diamond Corporation and drilled to 1245' then abondoned and turned over to Mr. G.L. Lamb for purpose of a water well. This should be followed up to see if water rights were attained or what so we can close the books.

This application was discussed with Catie Bucher by phone on April 16, 1985. She said she didn't think we would approve the application but tried anyway because it was so attractive economically.

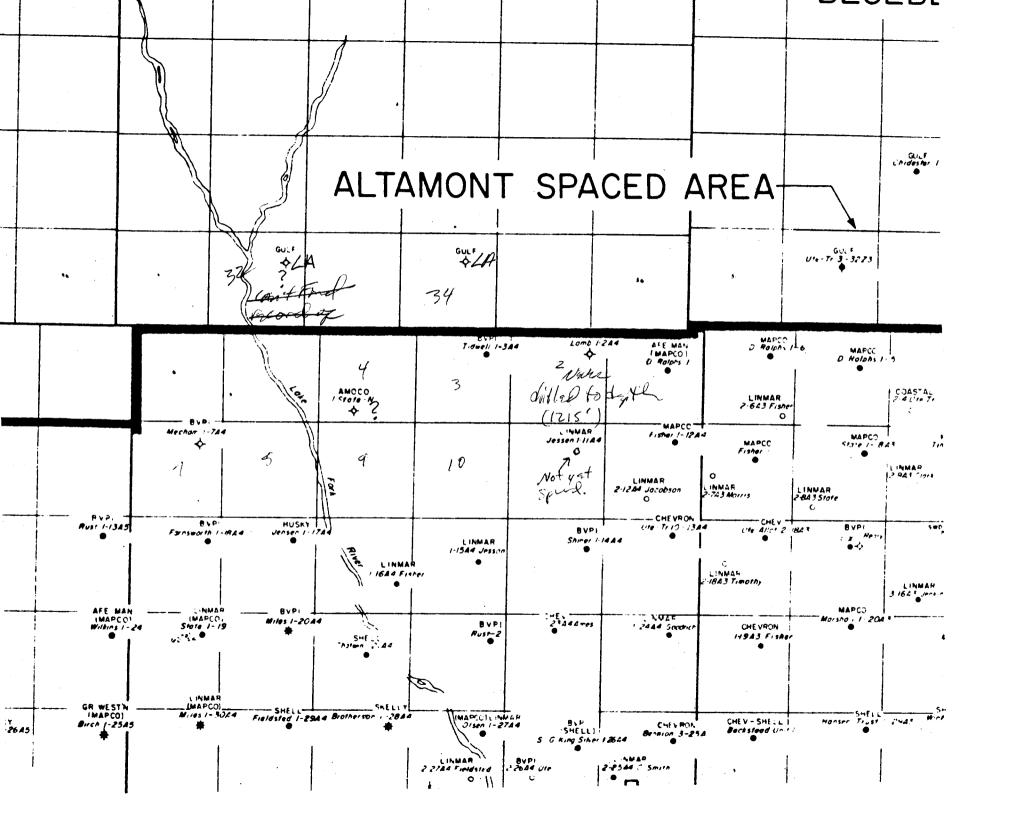
This application was denied in the interest of protecting correlative rights.

G.L. Hunt 4/17/85

8/50-8160 Depth Tidurel | #1 SP= -55 Ruf=1.24 @ 725 Fanting = 172°F @ 142/2 Try @ SAngle = ct 8150' ~ 114°F Salmity = 39774 FPM @750 It = 16 Thur zf ss ef Los Ø=4-5% Rzm = Rzo = 16 Ru8 = 45 If 55 Run = Re = 108 theman = 12 @75° = 22206 ppm ISLS Rup = == == Rep = (16)(.08)=.13 @ 114°

and the second second

£ 54,000 pm met





Bow Valley Petroleum Inc.

P.O. Drawer 130, Roosevelt, Utah 84066

Telephone: (801) 722-5166

April 9, 1985

Division of Oil, Gas, & Mining UIC Department 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180

> RE: Disposal Well Application Tidwell 1-3A4 Section 3, T1S, R4W Duchesne County, Utah

Gentlemen:

Enclosed is as application to convert the Tidwell 1-3A4 to a water injection well.

This well was drilled and completed in the Wasatch Formation in 1973. Wasatch production continued until March 1984, when the Green River and Wasatch were co-mingled. Cumulative production has been about 115,000 BO. Currently, the well is producing about 15 BOPD.

Bow Valley is proposing injection into the present Green River and Wasatch perforations at 13,052'-17,902'. Cement is placed above existing perforations per attached logs and observation, ie, circulated to surface. There are no other producing wells within a one and half mile radius of the Tidwell. Three plugged and abandoned wells in Sec.2 and 4, T1S, R4W and in Sec.34, T1N, R4W, are the direct offsets.

Necessary injectivity and packer/casing tests will be performed upon installation of the injection equipment.

Prior to injection, a state water analysis will be performed on fresh water sources within a half mile. This will establish water quality before injection and allow continual monitoring as necessary.

If you have any questions, please call.

RECEIVED

Sincerely,

APR 1 1 1985

BOW VALLEY PETROLEUM, INC.

Catie & Bucher

GAS & MINING

Catie L. Bucher
Staff Engineer/Altamont-Bluebell

Attachments

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 (801) 533-5771

FORM NO. DOGM-UIC-1 (Revised 1982)

(RULE I-5 &	RULE I-4)	
IN THE MATTER OF THE APPLICATION OF Bow Valley Petroleum, Inc.	CAUSE NO.	
ADDRESS P.O. Drawer 130, Roosevelt, Utah ZIP 84066 INDIVIDUAL PARTNERSHIP CORPORATION X FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE Tidwell 1-3A4 WELL SEC. 3 TWP. 1S RANGE 4W Duchesne COUNTY, UTAH	ENHANCED RECOVERY INJ. WELL DISPOSAL WELL LP GAS STORAGE EXISTING WELL (RULE I-4)	
APPLIC	ATION	
Comes now the applicant and shows the Corpor 1. That Rule I-5 (g) (iv) authorizes administrat	ation Commission the following: ive approval of enhanced rcovery injections, disposal	or LP

Gas storage operations.

ase Name	Well No.		Field		County	
Tidwell	.1-3A4		Alta	amont	l Du	ichesne
ation of Enhanced Recovery ection or Disposal Well NW.		iec3	1	wp. <u>1S</u>	(112.7	Rge. 4W
w Well To Be Drilled Yes □ No 🌣	Old Well T	o Be Converted Yes 🔯 No 🗆		Casing Test Ye	(WT)	1
pth-Base Lowest Known sh Water Within ½ Mile 3(Does Inject Oil-Gas-Fr	tion Zone Contain esh Water Within				State What
	nt Field	1 .	gic Name(s) Depth of Source	ireen Riv •(•) Wasato		1,854'-12,546' 3,604'-18,700'
	River and Zones	Depth Interv	of Injection at $13,052^+$			
Top of the Perforated Interva 13,052	l: b. Be	300 Water	€.	ntervening Th	ickness (a 52	minus b)
the intervening thickness suff ithout additional data?	icient to show fresh w	ater will be protec YESXX	no NO			
hology of Intervening Zones	Shale with	sandstone	stringer	S		
jection Rates and Pressures	Maximum		3000 1500		B/I PS	
he Names and Addresses of Th *See attach						
lla-l-			Row Val	ley Petro	oleum.	Inc.
unity of <u>Utah</u>)			\pplicant	C & Buc
Before me, the unders nown to me to be the per ath states, that he is dul erein, and that said rep Suscribed and swo SEAL My Commiss	son whose name i y authorized to m	is subscribed to take the above	report and	that he ha	s knowle	ng by me duly swe adge of the facts s
SEAL My Commiss Dec. 7,	ion Expires			Shirk	J. 1.	allen
3				Public in ar		

INSTRUCTIONS

- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule 1-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to he surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface Conductor Casing	13-3/8" 9-5.8"	376' 7440'	434 sx 717 sx	Surface	Drilling reports
Intermediate	7-5/8"	14205'	700 sx	12950'	Temperature Log
Production	5½"	8677'-18753'	1085 sx *		
Tubing	2-7/8"	12991'	(currently)	- Type - Depth o Baker R-	of Tubing Packer 3 @ 12991
Total Depth Geole 18753' Wasatch	gic Name - Inj and Green	.Zone Depti River	- Top of Inj. Int 13042'		h - Base of Inj. Interval 17902'

* Production Liner 8677'-13667' was

was cemented to top in early 1984 w/385 sacks of cement

Production Liner 13667'-18753'

was originally cemented with 700 sacks of cement. Top by bond log (8-20-73) was about 16480' for 50% or more. Also very good cement at 13300'-13480'. Good cement at 13540'-13650'.

PLEASE TYPE OR USE BLACK INK ONLY

(Revised)								COUNTY	COMPI	ETION & TEST DATA BY	PRODUCING FORMA 2	ΙЮ	
API NO	43-013-			VISION OF OIL,	GAS, AND MI	NING	NERGY		LEASE NO.	FORMATION	Wasatch	Green Rive	
	640 Acres N			Room 4241 State Salt Lake City	y, Utah 84114	, _	10		/h.j	SPACING & SPACING ORDER NO.	Musucen	3,33,,	
			0	OUNTY Duche OMPANY OPER FFICE ADDRESS	ATING BO	w Vall	wer 130	oleum		CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)			
•				own <u>Roos</u> arm name _			te zip <u> </u>		84066	PERFORATED	17445-18613	13052-13618	
] •	RILLING STARTE	o 3 <u>-8-</u> 1	9 <u>73</u> DRI	illing finisi	HED <u>8-</u>	101973		17193-17902		
		+		ATE OF FIRST PI				LETED .3	3-27-74	INTERVALS			
L	8 acate Well Core and Gutline Le			3899 FT. FI	IOM SL OF W	SEC. A _	4259 FT .	FROM W	n of % sec. 5960'	17445-18613 - ACIDIZED?	20,000 15%HC 20,000 7½%HC	12,500 15%	HC
TYPE CO	OMPLETION)								17193-17902	20,000 15%HC 20,000 15%HC		
Single 2 Multiple	Zono									FRACTURE TREATED?	168,000Super		
Coming			<u>ch & G</u>	<u>re</u> en Rive	r					INITIAL TEST DATA			
				O# O# 6	AS ZONES					Date	9-8-73	3-26-84	
			F		 					Oil, bbl./day	655	70.6	
	Name		From	Te		Name		from	Te	Oil Gravity			
			10050	10010						Gas, Cu. Ft./day	840 m cr	57 m	CF
	n Rive	<u>r</u>	13052						 	Gas-Oll Ratio Cu. Ft./Bbl.	1282	807	
Wasa	tcn		17193	1/902					 	Water-Bbi./day	0	332	
									<u> </u>	Pumping or Flowing	Flowing	Pumping	
				CASINO	& CEMENT					CHOKE SIZE	20/64"		
		Casing			Cog. Yest	 	Com	HORT	Top	FLOW TUBING PRESSURE	600-400	2400	
Sino	Wgt.		2rado	Foot	Pai	Sax	Fillup		10p	A record of the formatic		pertinent remarks are	pre
13-3/8"	<u>' 68#</u>	K	-55	376'		434					L. Bucher	Catie	10
9-5/8	40#	N	-80	7440'		717	_	_ Sı	urface	I, the undersigned, being fire according to the records of t	it duly sworn upon eath, his office and to the best	state that this well rec of my knowledge and	nd I be
<u>7-5/8'</u>	29.7# 33.7#	S	<u>- 95</u>	11358'		700	14175'	12	2950'	700 5100	Bow Valley	Petroleum, In	c.
51,511	20# 23#		Þ=800	10076'		1085			nation	Telephone 722-5166		Staff Engine	
							or	Page	e 1)	Subscribed and sworn before	. H	lay of Salif	?
						TOTAL	жетн <u>18</u>	3753'		. Junetinged and swom belon	TITE 1990 grandskammen G	1 / (1/	9/1
PACKERS :	ser Ba	aker	Mode1	R @ 1299	1'					My Commission Exp	ires <	(Merriff)	U
				TACHED WHEN		GING FOR	M DOGM-UI	IC-6		Dec. 7, 1986			

COMPLI	ETION & TEST DATA BY I	PRODUCING FORMATION 2	3
	Wasatch	Green River	
PACING			
FICATION ELL, ENHANCED GAS STORAGE)			
ORATED	17445-18613	13052-13618	
	17193-17902		

Date	9-8-73		3-26-84		
Oil, bbl./day	655		70.6		
Oil Gravity					
Gas, Cu. Ft./day	840	m c f	57	m c r	Œ
Gas-Oil Ratio Cu. Ft./Bbl.	1282		807		
Water-Bbi./day	0		332		
Pumping or Flowing	Flowing		Pumping		
CHOKE SIZE	20/64"				
FLOW TUBING PRESSURE	600-400		2400		

t remarks are presented on the reverse.

t this well record is true, correct and complete nowledge and belief.

f representative of company

Formations Drilled thru:

Uinta Formation Top - Approximately 5300' Green River Top - Approximately 7960'

Bow Valley Petroleum Inc.

TIDWELL #1-3A4

NAMES AND ADDRESSES OF LANDOWNERS WITHIN A ONE-HALF MILE RADIUS OF THE PROPOSED DISPOSAL INJECTION WELL:

Clinton Bowden Altonah, Utah 84002

Dean Max Carroll Altonah, Utah 84002

Edwin C. Fisher Altonah, Utah 84002

Gary Jessen Star Route Altonah, Utah 84002

A. Curtis Lamb 2580 East 1500 South Vernal, Utah 84078

H. Junior Tidwell Altonah, Utah 84002

Ute Indian Tribe Ft.Duchesne, Utah 84026



Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

COMP	ANY Bow Valley	<u> </u>	ADDRESS		DATE:	6-4-8	4
SOUR	CEJ. Tidwell #	1-3A4	DATE SAMPLED_	5-22-84	_ ANALYSIS NO	1554	
•	Sec.3, T1S, R4W	, Duchesne Co.,	Utah	Mg/1 (ppm)		*Meq/I	
1. P	н _	8.5					
2. H	I ₂ S (Qualitative)	1.5					
	specific Gravity	1.005					
4. D	issolved Solids			12,000			
5. S	suspended Solids		· .				
6. /	Anaerobic Bacterial Cour	nt	C/MI				
7. N	Methyl Orange Alkalinity	(CaCO ₃)		860			
8. E	Bicarbonate (HCO ₃)		HCO3	10 49	÷61	_17	HCO3
9. (Chlorides (CI)		CI	7965	÷35.5	224	CI
10. E	Sulfates (SO ₄)		SO4	0	÷48	0	SO4
	Calcium (Ca)		Ca	924	÷20	46	Ca
12. 1	Magnesium (Mg)		Mg	C	÷12.2	0	Mg
13.	Total Hardness (CaCO ₃)			1140			
14.	Total Iron (Fe)			16			
15 . (Barium (Qualitative)			C			
16.	Phosphate Residuals		· · · · · · · · · · · · · · · · · · ·	16	····		
"M ## ed	quivalents per liter	PROB	ADIE MINERAL CO	MPOSITION			
		raub	Compo		X Meg/i	= :	Mg/l
			Ca (HCC	·	17		377
	2.6 Ca	HCO ₁	1? Ca 50.	68.07		-	
-		→ ⊢	Ca Cl ₂	55.50	29	16	510
· C	Mg	\$0.	O Mg (HC	O ₃) ₂ 73.17		-	<u>.</u>
			224 Mg SO.	60.19			
	95 No		Mg Cl ₂	47.62		-	
	Saturation Values	Distilled Water 20°	C Na HCO	84.00		-	
	Ca CO ₃	13 Mg/l	Na ₂ SO ₄	71.03			
	Ca SO ₄ · 2H ₂ O	2,090 Mg/I	Na Ci	58.46	195		1340
	Mg CO ₃	103 Mg/l					
REMA	ARKS Registivity	= 1.020 obs-met	or at 72° P.				-
						•	



P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000 P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-9765 P.O Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

CON	MPANY Bow Valley		ADE	DRESS	Roosevelt, Uta	h DATE:	3-13-85
SOL	Farnsw JRCE Sec. 18, T15, R	orth 1-18A4	Co. Utan	E SAMPLED	3-13-85	_ ANALYSIS NO.	1756
1.	PH	atysis 9 o			Mg/I (ppm)		*Meg/i
2.	H ₂ S (Qualitative)	None Detect	ed (Amm	onia Inter	ference)		
3.	Specific Gravity	1.	0550				
4.	Dissolved Solids				171,000		
5.	Suspended Solids						
6.	Anaerobic Bacterial Cou	ınt	c	/MI			
7. -	Methyl Orange Alkalinity	(CaCO ₃)			95 , 5 00		
8.	Bicarbonate (HCO ₃)		НС	O3	116,510	÷61	L,910 HCO3
9.	Chlorides (CI)			CI	25,842	÷35.5	728 CI
10.	Sulfates (SO ₄)		S	SO ₄	42,000	_ ÷48	875 SO4
11.	Calcium (Ca)			Ca	280	÷20	14Ca
12.	Magnesium (Mg)			Mg	29	÷12.2	Mg
13.	Total Hardness (CaCO ₃)				400		
14.	Total Iron (Fe)			-	1.2		
15.	Barium (Qualitative)				0		
16.	Phosphate Residuals				00		
*14114	equivalents per liter	PR	DBABLE MIN	IERAL COMP	OSITION		
	· · · · · · · · · · · · · · · · · · ·			Compound Ca (HCO ₃) ₂	Equiv. Wt. 3 81.04	Meq/I 14	# Mg/l 1,135
	14 Ce	HCO,	1,910	Ca 804	68.07		
		-		Ca Cl ₂	55.50 .		-
	2 Mg	SO₁	875	Mg (HCO ₁) ₂	73.17	2	146
1.	3,497 Na		7700	Mg 804	60.19		
<u> </u>	3,497 Na ———	CI	728	Mg Cl ₂	47.62		·
	Saturation Values	Distilled Water 2	0°C	Ne HCO:	84.00	1,894	159,096
	Ca CO ₃	13 Mg/I		Ne ₂ \$0 4	71.03	87 <i>5</i>	62,151
	Ca SO₄ · 2H₂O	2,090 Mg/l		Na CI	58.46 _	728	42,559
	Mg CO ₃	103 Mg/l	Manual Control of the				
REM	ARKS Resistivity	= 0.161	Ohm Meter	s @ 78 °F		 	



Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

	PANY Bow Valley		ADDRE	ss			ATE:_	2-20-85	
SOLI	RCE Miles 1-20A4		DATE S	AMPLED 2-17	2-85	_ ANALYSIS	NO	1736	
	Sec. 20, T1S, R4W,	Duchesne Co.,	Utah	Mig	(i (ppm)			*Meq/l	
1.	PH .	7.9							
2.	H₂S (Qualitative)			-					
	Specific Gravity	1.007	· · · · · · · · · · · · · · · · · · ·	_					
4.	Dissolved Solids			4900					
5.	Suspended Solids								
6.	Anaerobic Bacterial Cou	int	C/N	ЛI					
7.	Methyl Orange Alkalinity	(CaCO ₃)		760		·			
B .	Bicarbonate (HCO ₃)		нсс	972		÷61	15		HCO ₃
9.	Chlorides (CI)			DI 2 832		÷ 3 5.5 _	80		c
0.	Sulfates (SO ₄)		SC	150		÷48	_2		_ so
1.	Calcium (Ca)		C	a 24		÷20	1		Ca
2.	Magnesium (Mg)		M	lg0		÷12.2 _	0		Mg
3.	Total Hardness (CaCO ₃) * *		45					
4.	Total Iron (Fe)			0.4		· 			
5.	Barium (Qualitative)			0					
6.	Phosphate Residuals			·					
·MHH	equivalents per liter	PRO	BABLE MINE	RAL COMPOSIT	ION				
		_		Compound Ca (HCO ₃) ₂	Equiv. Wt. 81.04	X Meq/	I	= Mg/ 243	1
	3 ca	нсо,	15	Ca SO4	68.07				
				Ca Cl ₂	55.50				
	O Mg	so.	3	Mg (HCO ₃) ₂	73.17			_	
	OF		80	Mg SO ₄	60.19				
	95 Na	CI [Mg Cl ₂	47.62			· ·	
	Saturation Values	Distilled Water 2	0°C	Na HCO:	84.00	12		1008	
	Ca CO:	13 Mg/I		Na ₂ SO ₄	71.03	3		213	
	Ca SO₄ · 2H₂O	2,090 Mg/I		Na CI	58.46	80		4677	<u> </u>
REM	Mg CO ₃ Resistivity	103 Mg/l = 1.280 ohm-me	eter at 70°	F.	· · · · · · · · · · · · · · · · · · ·				



Hinta Research and Analytical Services 291 East 200 North

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

MPANY Bow Valley	AI	DDRESS			8-13-84		
JACE Reary 1X-17A3	D	ATE SAMPLED		ANALYSISNO. W-877			
Sec.17, T1S, R3W, Du	chesne Co., Utan	Mg/L	•	*Meq/	ı.		
1. PH _	8.89_						
2. H2S (Qualitative)	4 00 7						
3. Specific Gravity -	1.005	(550	40				
4. Dissolved Solids		6772	.19				
5. Suspended Solids			•				
6. Phenolphthalein Alkalinity (Co	(CO ₂)	36			•		
7. Methyl Orange Alkalinity (Cal	CO3)	328		Ϋ,			
8. Bicarbonate (HCO ₃)		нсо			<u>28</u> нс		
9. Chlorides (CI)		cı <u>3399</u>					
10. Sulfates (SO ₄)		so ₄ 61		12,			
11. Calcium (Ca)		Ca 32		<u> </u>			
12. Magnesium (Mg)	•	Mg 10	<u> </u>	2	82 Mg		
13. Total Hardness (CaCO ₃)	•	120	20				
14. Total Iron (Fe)		•	20				
15.		1500	O				
16. Conductivity (Resisit:	mmHos <u>1500</u> Lvity 7 @		opm	· · · · · · · · · · · · · · · · · · ·		
*Milli equivalents per liter	•	ERAL COMPOSITION	•				
1.60 Cs	— HCO ₃	Compound	Equiv. Wt. X	Meq/L 1.60	= Mg/L 129.		
.82 Mg	- SO4	Ca (HCO ₃) ₂ Ca SO ₄	81.04	0	0		
09.46 Na =	- 12.85 - CI 95.75	Ca Ciz	68.07 . 55.50 .	0	0		
	Distilled Water 20° C	Mg (HCO3)2	73.17	.82	60.		
Saturation Values Ca CO3	13 Mg/L	Mg SO4	60.19	0	0		
Ca SO4+2H2O Mg CO3	2,090 Mg/L 103 Mg/L	Mg Cl ₂	47.62	0	0		
marks: Carbon Dioxic	- '	Na HCO3	84.00	.86	72.		
rriar sa.	and the second s	Na2 SO4		12.85	912.		
		Na Ci		95.75	5597.		
	 	176 VI	30.40				



Hinta Research and Analytical Services 291 East 200 North

ROPSEV

EVELO MOAN EROO SA

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

MPANY Bow Valley		ADL	DRESS		DATE:	8-13-8
URCE Rust #2 -22 A4	Duchage Ca		TESAMPLED		_amalysis no	W-887
Sec. 22, T1S, R4W,	Duchesne Co.	, Utali	1	Mg/L	*Meq/	L
1. PH	8.91	•	•			
2. HzS (Qualitative)	1.00	-				
3. Specific Gravity	1.000	· .				
4. Dissolved Solids			574	11.76		
5. Suspended Solids				•		
6. Phenolphthalein Alkalinity	(CaCO ₃)	•		28	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
7. Methyl Orange Alkalinity (C	CaCO3)		2"	<u>76</u>	**************************************	
8. Bicarbonate (HCO3)	·		HCO3 - 16	<u>58</u> ÷ (312	2.75 HC
9. Chlorides (CI)			cı 279	99 ÷ 3	5.5 78	8.85 CI.
10. Sulfates (SO ₄)			so ₄ 6	17 + 4	ıs <u>12</u>	2.85 so
11. Calcium (Ca)	•		Ca	48 + 2	202	2.40 Ca
12. Magnesium (Mg)		•	Mg	<u>5</u> + 1	122	.41 Mg
13. Total Hardness (CaCO ₃)	•			40		
14. Total iron (Fe)		·		.6		, 194
15.			•			
16. Conductivity (mmHos 1	3500	DIDM	
*Milli equivalents per liter	R	esisiti	vity 85	@ 76 ° €	P7 -11	
		BLE MINE				
			MAS OUT O			
Ca <	нсо₃ ;		Compound	Equiv. Wt. X	(Meq/L	= Mg/L
		2.75		•	Meg/L 2.40	-
2.40 _{Mg}	HCO ₃	2.75 12.85	Compound	•	2.40	-
2.40 Mg			Compound Ca (HCO3)2	81.04	2.40	194.5
2.40 Mg	SO4	12.85 78.85	Compound Ca (HCO3)2 Ca SO4	81.04 68.07 55.50	2.40	194.5 0
Mg 1.64 Saturation Values Ca CO3	SO ₄ CI Distilled Water 2 13 Mg/L	12.85 78.85	Compound Ca (HCO3)2 Ca SO4 Ca Cl2	81.04 68.07 55.50 2 73.17	0 0	194.5 0 0 25.6
Mg Mg Na Saturation Values	SO ₄ CI Distilled Water 2	12.85 78.85	Compound Ca (HCO3)2 Ca SO4 Ca Cl2 Mg (HCO3)3	81.04 68.07 55.50 2 73.17	2.40 0 0	194.5 0 0 25.6
Saturation Values Ca CO3 Ca SO4+2H2O Mg CO3 Carbon Diox	Distilled Water 2 13 Mg/L 2,090 Mg/L 103 Mg/L	12.85 78.85 20°C	Compound Ca (HCO3)2 Ca SO4 Ca Cl2 Mg (HCO3)2	81.04 68.07 55.50 2 73.17 60.19	2.40 0 0 .35 .06	194.5 0 0 25.6 3.6
Saturation Values Ca CO3 Ca SO4+2H2O Mg CO3 Carbon Diox	Distilled Water 2 13 Mg/L 2,090 Mg/L 103 Mg/L	12.85 78.85 20°C	Compound Ca (HCO3)2 Ca SO4 Ca Cl2 Mg (HCO3)2 Mg SO4 Mg Cl2 Na HCO3	81.04 68.07 55.50 73.17 60.19 47.62 84.00	2.40 0 0 .35 .06	194.5 0 0 25.6 3.6 0
Saturation Values Ca CO3 Ca SO4+2H2O Mg CO3	Distilled Water 2 13 Mg/L 2,090 Mg/L 103 Mg/L	12.85 78.85 20°C	Compound Ca (HCO3)2 Ca SO4 Ca Cl2 Mg (HCO3)2 Mg SO4 Mg Cl2	81.04 68.07 55.50 73.17 60.19 47.62	2.40 0 0 .35 .06	194.5 0 0 25.6 3.6



Hinta Research and Analytical Services 291 East 200 North

ROØSEVEI

UPAN PARSON.

James F. Smith

WATER ANALYSIS REPORT

(801)722-2532

MPANY Bow Valley	A A A				DATE:	
URCE Shiner #1-1 Sec.14, T1S, R4W			ESAMPLED		ABALYSIS NO.,	
Analy			Mg/	1.	*Meq	/L
1. PH	9.04					
2. H2S (Qualitative)						
3. Specific Gravity	1_000	•				•
4. Dissolved Solids			_4018.	46		
5. Suspended Solids						
6. Phenolphthalein Alkalini	ty (CaCO ₃)	••	48			
7. Methyl Orange Alkalinity	(CaCO ₃)		80			**
8. Bicarbonate (HCOs)		•	HCO3 - 249	 ÷	614_	<u>08</u> нс
9. Chlorides (CI)			CI) ÷ :	35.5 <u>56.</u>	31 cı
10. Sulfates (SO ₄)			so ₄	+	48	60so
11. Calcium (Ca)			Ca 64	 +	203.	20 Ca
12. Magnesium (Mg)		•	Mg5	÷	122	41 Mg
		•	180		* •	
13. Total Hardness (CaCO:	3)		180_		•	
13. Total Hardness (CaCO:	3)	•	1	0	• .	A 4
14. Total Iron (Fe)						
14. Total iron (Fe)	Re	•	mmHos 11000 1117 85 @	80 •	pp m	
14. Total Iron (Fe) 15. Conductivity (Re	BLE MINEF	1.	80 •	ppmX Meg/L	= Mg/L
14. Total Iron (Fe) 15. ** 16. Conductivity (, *Milli equivalents per liter Ca 3.20	PROBAI	•	mmHos 11000 11ty 85 @	80 °F	#### # Meq/L 3.20	_
14. Total Iron (Fe) 15. Conductivity (*Milli equivalents per liter Ca 3.20 Mg	Re PROBAI	BLE MINEF	mmHos 11000 v1ty 85 @ RAL COMPOSITI	80 F	•	_
14. Total Iron (Fe) 15. ** 16. Conductivity (, *Milli equivalents per liter Ca 3.20 Mg	PROBAI	4.08	mmHos 11000 71ty 85 @ RAL COMPOSITI Compound Ca (HCO3)2	80 °F ION Equiv. Wt. 81.04	3.20	259.53
14. Total Iron (Fe) 15. ** 16. Conductivity (, *Milli equivalents per liter Ca 3.20 Mg	PROBAI	4.08 5.60 56.31	mmHos 11000 71ty 85 @ RAL COMPOSITI Compound Ca (HCO3)2 Ca SO4	80 F ION Equiv. Wt. 81.04	3.20	259.53 0 0
14. Total Iron (Fe) 15. ** 16. Conductivity (*Milli equivalents per liter Ca 3.20 Mg A1 Saturation Values Ca CO3	PROBAI HCO3 SO4 CI Distilled Water 20 13 Mg/L	4.08 5.60 56.31	mmHos 11000 71ty 85 @ RAL COMPOSITI Compound Ca (HCO3)2 Ca SO4 Ca Ciz	80 F ION Equiv. Wt. 81.04 68.07 55.50	3.20 0 0	259.53 0 0
14. Total Iron (Fe) 15. *** 16. Conductivity (, *Milli equivalents per liter Ca 3.20 Mg A1 A2.38 Na Saturation Values	PROBAL HCO3 SO4 CI Distilled Water 20	4.08 5.60 56.31	mmHos 11000 v1ty 85 @ RAL COMPOSITI Compound Ca (HCO3)2 Ca SO4 Ca Ci2 Mg (HCO3)2	80 F ION Equiv. Wt. 81.04 68.07 55.50 73.17	3.20 0 0 .41	259.53 0 0 30.00
14. Total Iron (Fe) 15. ** 16. Conductivity (*Milli equivalents per liter Ca 3.20 Mg A1 A2.38 Na Saturation Values Ca CO3 Ca SO4*2H2O Mg CO3	PROBAI HCO3 SO4 CI Distilled Water 20 13 Mg/L 2,090 Mg/L	4.08 5.60 56.31	mmHos 11000 v1ty 85 @ RAL COMPOSITI Compound Ca (HCO3)2 Ca SO4 Ca Ci2 Mg (HCO3)2 Mg SO4	80 F Equiv. Wt. 81.04 68.07 55.50 73.17 60.19	3.20 0 0 .41 0	259.53 0 0 30.00 0
14. Total Iron (Fe) 15. 16. Conductivity (*Milli equivalents per liter Ca 3.20 Mg A1 62.38 Na Saturation Values Ca CO3 Ca SO4.2H2O Mg CO3	PROBAI PROBAI HCO3 SO4 CI Distilled Water 20 13 Mg/L 2.090 Mg/L 103 Mg/L	4.08 5.60 56.31	mmHos 11000 71ty 85 @ RAL COMPOSITI Compound Ca (HCO3)2 Ca SO4 Ca Ci2 Mg (HCO3)2 Mg SO4 Mg Ci2	80 F Equiv. Wt. 81.04 68.07 55.50 73.17 60.19 47.62 84.00	3.20 0 0 .41 0 0	259.53 0 0 30.00 0 0 39.48
14. Total Iron (Fe) 15. 16. Conductivity (*Milli equivalents per liter Ca 3.20 Mg 52.38 Na Saturation Values Ca CO3 Ca SO4*2H2O Mg CO3	PROBAI PROBAI HCO3 SO4 CI Distilled Water 20 13 Mg/L 2.090 Mg/L 103 Mg/L	4.08 5.60 56.31	mmHos 11000 71ty 85 @ RAL COMPOSITI Compound Ca (HCO3)2 Ca SO4 Ca Ci2 Mg (HCO3)2 Mg SO4 Mg Ci2 Na HCO3	80 F Equiv. Wt. 81.04 68.07 55.50 73.17 60.19 47.62	3.20 0 0 .41 0 0 .47	259.53 0 0 30.00



Hinta Research and Analytical Services 291 Bast 200 North

ROOSEVELL ULAH E406

Jomes F. Smith

WATER ANALYSIS REPORT

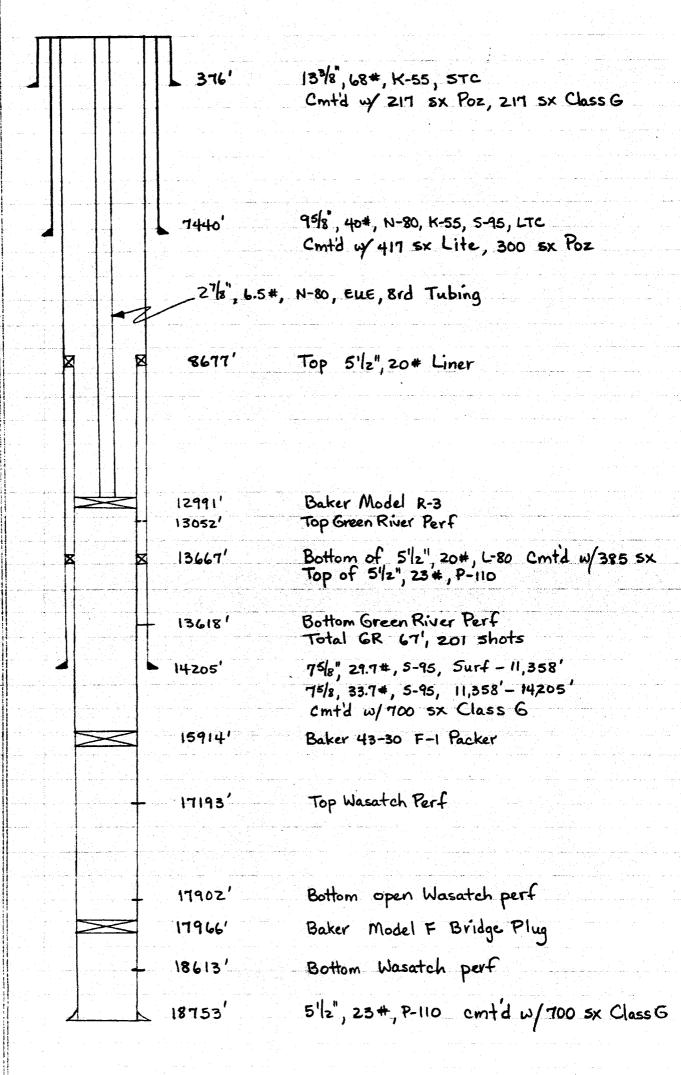
(801) 722-2532

COMPANY_Bow VAlley	ADI	DRESS		DATE:_	8-13-84
Soc 26 TIS PAN Duchesm	DA1	TE SAMPLED		WALYSIS NO	<u>₩-885</u>
Sec. 26, T1S, R4W, Duchesman 1. PH 2. HzS (Qualitative) 3. Specific Gravity 4. Dissolved Solids 5. Suspended Solids 6. Phenolphthalein Alkalinity (CaCOs) 7. Methyl Orange Alkalinity (CaCOs) 8. Bicarbonate (HCOs) 9. Chlorides (CI) 10. Sulfates (SO4)	e Co., Utah	12805	.10		<u>44</u> нсоз
11. Calcium (Ca) 12. Magnesium (Mg) 13. Total Hardness (CaCO ₃) 14. Total Iron (Fe) 15. **Example CacCO ₃ 16. Conductivity (Post sitt	Ca 104 Mg 5 280 mmHos 2200 vity 5 @	+ 123 8 0	2	20 Ca 41 Mg
*Milli equivalents per liter	•	RAL COMPOSITI			
Ca HCC 5.20 Mg So4 213.06 Na CI		Compound Ca (HCO3)2 Ca SO4 Ca Cl2	Equiv. Wt. X 81.04 68.07 55.50	Meq/L 1.44 .38 3.38	= Mg/L 116.70 25.87 187.59
Saturation Values Distilled Values Ca CO2 13 Mg/L Ca SO4 • 2H2O 2,090 Mg/L Mg CO3 103 Mg/L Remarks: Carbon Dioxide= .12		Mg (HCO ₃)2 Mg SO ₄ Mg Cl2 Na HCO ₃ Na ₂ SO ₄ Na Cl	73.17 60.19 47.62 84.00 71.03 58.46	0 0 .41 0 0 213.06	0 19.52 0 0 12455.40
		Thank you i	or the business:		

376' 13 3/8", 68 t, K-55, STC CMT'D W/ 217 SX POZ, 217 SX Ches G 95/8", 40", N-80, K-55, 5-95, LTC 7490' CMT'D W/ 417 SX LITE, 300 SX POZ - 27/8", 6.5 ", N-80, EUE 8rd tubing a 8677' TOP 51/2", 20" LINER BAKER MODEL R-3 12991 TOP GREET EIVER PERF 13052' BOTTOM OF 5/2" 20", L-80 CMTO W/ 385 3 TOP OF 51/2", 23", P-110 13,667 ECTION GE PEEF; TOTAL GR 61,201 show 13618' 75/e", 29.7*, 5-95 SURF-11,358'
75/e", 33.7*, 5-95 11,358'- 14205'
CM'T WY 700 SX (1655 G 14205 BAKER 43-30 F-1 PKR 15914' 17193' TOP WASATCH PERF 17 902 BUTTOM OPEN WASATCH PERF BAKEN MODEL F BRIDGE PLUG 17,966 BOTTOM WASATOH PERF 18613' 18,753 5/2, 23", PIIO cmTD w/ 700 sx Class

> 3/4/85 CL

TIDWELL 1-3A4



3-4-85 CLB



Hinln Research and Analytical Services

Jomes F. Smith

WATER ANALYSIS REPORT

(801)722-253

	ADDRESS		DATE:	8-13-84
	DATE SAMPLED		WALYSIS NO	W-887
Duchesne Co., Utah	Mg/L		*Meq/L	• •
8.91				
.0:				
1.000				
	<u>5741.</u>	76		
			•	
CaCO3)	28		·-	
	276	•		
	HCO3 - 168	÷ 61	2	.75 HCO
	cı 2799	÷ 35	578	.85 cı
	so ₄ 617	+ 44		.85 so
	Ca 48	÷ 20	2	.40 c
•	Mg5	÷ 18		.41 Mg
	140		• 38.	Sego.
		<u> </u>		

	1111111703		ppm	
Resis	tivity 85 @	76 °F		
PROBABLE M	INERAL COMPOSITI	ON		
HCO3 ;	Compound	Equiv. Wt. X	Meq/L	= Mg/L
	Ca (HCO3)2	81.04	2.40	194.50
so 12.8	Ca SO4	68.07	0	0
CI 78.8	Ca Clz	55.50		0
Distilled Water 20°C	Mg (HCO3)2	73.17	35	25.6
13 Mg/L	Mg SO4	60.19	.06	3.6
	Mg Cl2	47.52		0
	Na HCOs	84.00	0	0
	Na2 SO4	71.03	12.79	908.4
	Na CI	58.46	78.85	4609.5
	Na CI	58.46	78.85	4609.5
	Duchesne Co., Utah 8.91 0: 1.000 CaCOs) aCOs) Resis: PROBABLE M HCOs 12.84 78.84 Distilled Water 20°C 13 Mg/L 2.090 Mg/L 103 Mg/L	1.000 5741.	Duchesne Co., Utah 8.91 0(1.000 5741.76 28 276 4Co3) 4CO3) HCO3 168 + 61 C1 2799 + 35 SO4 617 + 46 C2 48 + 20 Mg 5 + 12 140 - 6 PROBABLE MINERAL COMPOSITION HCO3 - 12.85 Ca (HCO3)2 81.04 Ca (HCO3)2 81.0	Duchesne Co., Utah B. 91 0: 1.000 5741.76 28 276 4CO3) 4CO3) HCO3 168 61 2 C1 2799 + 355 78 SO4 617 48 12 C2 48 20 2 Mg 5 + 122 140 .6 MMMHOS 13500 Resistivity 18 80 76 6 PROBABLE MINERAL COMPOSITION HCO3 Compound Equiv. WL X Meq/L C3 (HCO3)2 81.04 2.40 C4 (HCO3)2 81.04 2.40 C5 (ACC)3 81.04 2.40 C6 (HCO3)2 81.04 2.40 C7 (ACC)3 81.04 2.40 C8 (HCO3)2 81.04 2.40 C9 (HCO3)2 73.17 3.35 C9 (HCO3)2 73.17 3.17 C9 (HCO3)2 73.17 3.17 C9 (HCO3)2 73.17 C9 (

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Minta Research and Analytical Services 291 Best 200 Borth

Jomes F. Smith

WATER ANALYSIS REPORT

(801)722-2532

MPANY Bow Valley	ADDR	ESS			8-13-84
Reary 1X-17A3	DATE	SAMPLED		ANALYSIS NO	W-877
Sec. 17, T1S, R3W, D	ouchesne Co., Utah	Mg/L	•	*Meq/I	L
1. PH	8.89				
2. H2S (Qualitative)		* · · · · ·			
3. Specific Gravity	1.005				
4. Dissolved Solids		6772	<u>.19</u>		
5. Suspended Solids					
6. Phenolphthalein Alkalinity ((CaCO2)	36	<u> </u>		
7. Methyl Orange Alkalinity (C		328		•	
8. Bicarbonate (HCOs)		HCO ₃ 200	<u> </u>))	28 HC0
9. Chlorides (CI)		cı3399	<u> </u>		
1D. Sulfates (SO4)		so ₄ 61	<u>7 + 4</u>	₈ <u>12</u> ,	
11. Calcium (Ca)		Ca32	<u>} </u>	10 <u>\ \ 1.</u>	
12. Magnesium (Mg)	•	Mg10) + 1	22	82 Mg
13. Total Hardness (CaCO ₃)		120			
			20		
14. Total fron (F8)					
16. Conductivity (mmHos 1500		ppm	
*Milli equivalents per liter	Resisiti	114 7 0	<u>80</u> •		
	PROBABLE MINE	RAL COMPOSIT	ION		
Co <	HCO ₃	Compound	Equiv. Wt.		= Mg/L
1.60	3.28	Ca (HCO3)2	81.04	1.60	129.
.82 Mg	so12.85	Ca SO4	68.07		0
109.46 Na	CI 95.75	Ca Cl2	5 5. 5 0		0
Saturation Values	Distilled Water 20°C	Mg (HCO3)2	73.17	82	60.
Ca CO ₂	13 Mg/L 2,090 Mg/L	Mg SO4	60.19	_0	0
Ca SO4 2H2O Mg CO3	103 Mg/L	Mg Cl2	47.62		0
	xide= .41 mg/l	_ Na HCO3	84.00	86	72.
Carbon Dio	2100- 61 1112/1				
Remarks: Carbon Dio	2200 .21 112/1	_ Naz SO4	71.03	12.85	912.



Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

MPANYBOW Valley		ADDRESS			D	ATE:	c-20-85
Miles 1-20A4		DATE SAMPLED	2-12	-85	ANALYSIS	NO	1736
Sec. 20, T1S, R4W, Duc	hesne Co.,Uta	ih		(ppm)			*Meq/I
PH	7.9						
H ₂ S (Qualitative)					united the second of the secon		
Specific Gravity	1.007						
Dissolved Solids		<u> </u>	4900			* *	
Suspended Solids			· · · · · · · · · · · · · · · · · · ·				
Anaerobic Bacterial Count		C/MI					
Methyl Orange Alkalinity (Ca	CO ₃)	e jaron e garan	760		<u> </u>		
Bicarbonate (HCO ₃)		HCO ₃	972		÷61	15	нсс
Chlorides (CI)		CI	2 832		÷35.5_	80	
Sulfates (SO ₄)		SO ₄	150		÷48	3	s
. Calcium (Ca)		Ca	21,		÷20	1	(
. Magnesium (Mg)		M g	0		÷12.2 _	0	N
. Total Hardness (CaCO ₃)		i i i i i i i i i i i i i i i i i i i	45				
. Total Iron (Fe)			0.4				
i. Barium (Qualitative)			0				
6. Phosphate Residuals							
Mill equivalents per Mer	ano.	A LACRUM SIGN	OMPOSIT				
	PROB	ABLE MINERAL V Come		Egulv. Wt.	X Meq	Л	= M c/i
	energia de la composição br>La composição de la compo	Co (H		81.04	3 3		= 243 Mg/l
3 Ca	нсо,	15 Ca Sc)4	68.07		·	
		Ca Ci	2	55.50			· ·
0 Mg	so.	3 Mg (H	(CO ₃)2	73.17			
		80 Mg S	0 •	60.19	<u> </u>		
95 Na	cı [_	Mg C	la	47.62	· · · · · · ·		-
Saturation Values	Distilled Water 20°	C Na Hi	:O ₃	84.00	12		1000
Ca CO ₂	13 Mg/l	Na: S	04	71.03	3		213
Ca SO4 · 2H2O	2,090 Mg/l	Na Ci		58.46	80		4677
Mg CO: Resistivity =	103 Mg/l	,C					
	7 220 abnomet	er st 70° F.					



Hinta Research and Analytical Services

ROOSEVERT CEAN CASE IN

James F. Smith

WATER ANALYSIS REPORT

(801)722-2532

COMPANY_ Bow Valley	ADD	ress		DATE	8-13-84
Shiner #1-14A4		E SAMPLED		_amalysis no	W-876
Sec. 14, T1S, R4W, Duchesne C	Co., Utah	Mg/L	•	*No	q/L
1. PH					
2. HzS (Qualitative)	:				
3. Specific Gravity 1.000					
4. Dissolved Solids		_4018_	46	•	
5. Suspended Solids					
6. Phenolphthalein Alkalinity (CaCOs)		48			
7. Methyl Orange Alkalinity (CaCOs)		804			
8. Bicarbonate (HCOs)	•	HCO: 249	<u> </u>	61	.08 нсоз
9. Chlorides (CI)		cı 1999		35.5 <u>56</u> .	.31 a
10. Sulfates (SO ₄)		so ₄	<u></u> +	48	.60so_
11. Calcium (Ca)		Ca64_	 +	203	.20 ca
		Mg5	 +	122	.41 Mg
12. Magnesium (Mg) 13. Total Hardness (CaCOs)	•	180_			·
14. Total iron (Fe)	· · · · · · · · · · · · · · · · · · ·	1_	Δ		

15. Conductivity (mmHos 11000	<u> </u>	49 m	ing the supplied of the suppli
16. Conductivity (,	Resisiti	vity., .85 @		· · · · · · · · · · · · · · · · · · ·	
en en la companya de	OBABLE MINE	RAL COMPOSITI	ON		
· Ca HCO	•	Compound	Equiv. Wt.	X Meg/L	= Mg/L
3.20 Ca HCO	4.08	Ca (HCO3)2	81.04	3.20	259.53
11 Mg SO4	5.60	Ca SO ₄	68.07	0	0
62.38 Na CI	56.31	Ca Cl2	55.50	0	0
Saturation Values Distilled W		Mg (HCOs)2	73.17	.41	30.00
Saturation Values Distilled W Ca COs 13 Mg/L		Mg SO4	60.19	0	- O - O
Ca SO4 • 2H2O 2,090 Mg/l		Mg Clz	47.62	0	0
Cerbon Dioxide= .36	mg/l	Na HCOs	84.00	.47	39.48
Remarks: Dai Doi: 22022	Bv =	Na: FCU3	71.03	5.60	397.77
		_ Ne CI	71.03 58.46	56.31	3291.88
		- 148 VI	90.40		



Hinta Research and Analytical Services

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

MPANY BOW VAlley		ADDRESS			DATE:	8-13-8
mer 11+s 1-26 A/		DATESAMPL	ED	AN	LYSIS NO	W-885
Sec.26, T1S, R4W,	Duchesme Co.,	Jtah	Mg/L		*Meq/L	
1. PH	9.06					
2. HzS (Qualitative)	1.000					
3. Specific Gravity	1.000		Service Control			
4. Dissolved Solids			12805.1	<u> </u>		
5. Suspended Solids						
6. Phenolphthalein Alkalinity	(CaCOs)		28			
7. Methyl Orange Alkalinity ((CaCOs)		144	•		
8. Bicarbonate (HCOs)		HCO ₃	88	÷ 61	1.4	
9. Chiorides (CI)		C	7698	— ÷ 3 5.5	216.8	
10. Sulfates (SO4)		SO ₄		<u>+ 48</u>	.31	
11. Calcium (Ca)		Ca Ca	104	<u>+ 20</u>	5.20	 ₩.
12. Magnesium (Mg)		Mg	5	<u>+ 12.2</u>		1 Mg
13. Total Hardness (CaCOs)	•		280		₹.	•
14. Total Iron (Fe)			.8			
15.						
16. Conductivity (mmHo			m	
*Milli equivalents per liter	Re	sisitivity.	<u>.5 @ 8</u>	<u>0</u> *		
	PROBAB	LE MINERAL CO	MPOSITIO	N		
	нсо,	.	mpound	Equiv. WL X	Meq/L =	Mg/L
Ca <	noos		mpound	-4		
			(HCO2)2	81.04	1.44	116.
5.20 Mg		1.44. Ca		•	.38	25.
5.20 .41	so	.44 Ca	(HCO ₃)2	81.04	1.44 .38 3.38	25.
5.20 41 213.06 Na	so	.38 Ca 6.85 Ca	(HCO3)2 SO4	6 8.07		25.1 187.
.41 213.06 Saturation Values Ca CO	Distilled Water 20'	.38 Ca .38 Ca .6.85 Ca	(HCO ₃) ₂ SO ₄ Cl ₂	81.04 <u> </u>	3.38	25. 187.
5.20 Mg Na Saturation Values Ca CO ₂ Ca SO ₄ -2H ₂ O	Distilled Water 20' 13 Mg/L 2,090 Mg/L	Ca Mg Mg	(HCO ₃) ₂ SO ₄ Cl ₂ (HCO ₃) ₂	68.07 55.50 73.17	3.38	25. 187. 0
Saturation Values Ca COo Ca SO4 - 2H2O Mg COo	Distilled Water 20" 13 Mg/L 2,090 Mg/L 103 Mg/L	Ca Mg Mg	(HCO ₃) ₂ SO ₄ Cl ₂ (HCO ₃) ₂ SO ₄	81.04	3.38 0 0	25. 187. 0
5.20 Mg Na Saturation Values Ca COs Ca SO4.2HzO Mg COs	Distilled Water 20' 13 Mg/L 2,090 Mg/L	1.44 Ca .38 Ca 6.85 Ca Mg Mg Mg	(HCO ₃) ₂ SO ₄ Cl ₂ (HCO ₃) ₂ SO ₄ Cl ₂ HCO ₃	81.04 — 68.07 — 55.50 — 73.17 — 60.19 — 47.62 —	3.38 0 0 .41	25. 187. 0 0
Saturation Values Ca COo Ca SO4 - 2H2O Mg COo	Distilled Water 20" 13 Mg/L 2,090 Mg/L 103 Mg/L	Ca . 38 Ca . 38 Ca . 6 . 85 Ca . Mg . Mg . Mg . Mg . Na	(HCO ₃) ₂ SO ₄ Cl ₂ (HCO ₃) ₂ SO ₄ (Cl ₂ HCO ₃	81.04 — 68.07 — 55.50 — 73.17 — 60.19 — 47.62 — 84.00 — 71.03 —	3.38 0 0 .41 0	0 19.
Saturation Values Ca COo Ca SOo+2H2O Mg COo	Distilled Water 20" 13 Mg/L 2,090 Mg/L 103 Mg/L	Ca . 38 Ca . 38 Ca . 6 . 85 Ca . Mg . Mg . Mg . Mg . Na	(HCO ₃) ₂ SO ₄ Cl ₂ (HCO ₃) ₂ SO ₄ Cl ₂ HCO ₃	81.04 — 68.07 — 55.50 — 73.17 — 60.19 — 47.62 — 84.00 —	3.38 0 0 .41 0 0	25.187.9 0 0 19.9



P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000

P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-9765 P.O Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

OMPANY	Bow Valley		ADDRESS	Roose	velt, Uta	h DATE:	3-13-8	15
OURCE	Farnswo	orth 1-18A4	DATE SAME	3-1	13-85	ANALYSIS NO.	1756	
-26	ec. 18, T15, R	W, Duchesne Co.,	utah	Mg/I	() pp.m.)		NgoMP	
. PH		None Detected	(Ammonia	Interference	ce)			
	lualitative) ic Gravity	1.055	0					
	red Solids			171,0	000			
	nded Solids		-					
s. Anaero	obic Bacterial Cou	ınt	C/MI					
. Methyl	Orange Alkalinity	(CaCO ₃)		95.				
3. Bicarb	onate (HCO ₃)		HCO ₃ _	116,		÷61	1,910	HCC
D. Chlork	des (CI)		CI_	25,8		÷35.5	72 8	(
D. Sulfate	es (SO ₄)		SO ₄ _	42,0	280	÷48	875 14	SC
	ım (Ca)		Ca_		29	÷20	2	
· · ·	esium (Mg)		Mg_		400			N
	Hardness (CaCO;				1.2			
	Iron (Fe) m (Qualitative)				0			
	phate Residuals				O			
Tillii equivalent								
		PROB/	C	L COMPOSITION COMPOUND IN (HCO3)2	Equiv. Wt.	X Meq/1	= i	Mg/I 135
	7 c.	— нсо, Г,		a 804	81.04 68.07			
14	1" —		.910	a Ci	55.50			
2	Mg	804	875 M	g (HCO ₃);	73.17	2		146
-	1			lg 80 4	60.19		-	
3,497		CI	728 M	g Cl ₂	47.62			
8a	ituration Values	Distilled Water 20°C	: N	a HCO:	84.00	1,894	<u> 159,</u>	096
Ca	ıCO ₃	13 Mg/I	N	8:5 04	71.03	<u>875</u>	62,	151
Cı	SO4 · 2H2O	2,090 Mg/I	N	le Ci	58.46	728	42,	559
	g CO:	103 Mg/l	. .	‰ ფ ρ 0 _m				
REMARKS .	Resistivit	y = 0.161 Or	m Meters	e /0 1				



Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

COMPANY BO	ow Valley		ADDRES	s			DATE:_	6-4-81	<u> </u>
	Mawell #1-3A4		DATE SAI	MPLED	<u>5-22-8</u>	4	ANALYSIS NO	1554	
Sec. 3,	T1S , R4W, Duche	sne Co.,	Utah		Mg/I (pp:	m)		*Meq/I	
1. PH		8.5							
2. H ₂ S (Qualitative	<u> </u>	1.5							
3. Specific Gravit		1.005							
4. Dissolved Solid					12,00	<u>)</u>	· · · · · · · · · · · · · · · · · · ·		
5. Suspended So									•
6. Anserobic Bac			C/M	l.					
	Alkalinity (CaCO ₃)				860				
8. Bicarbonate (h			HCO:)	1049		+61	17	HCO:
9. Chlorides (CI)			C	1	7965		÷35.5	224	С
10. Sulfates (SO ₄)			SO	4	0		_ ÷48	0	SO
11. Calcium (Ca)			Ca	3	924		÷20	46	C
12. Magnesium (A	Ag)		M	9	<u> </u>		÷12.2	C	Mg
13. Total Hardner					1140		· · · · · · · · · · · · · · · · · · ·		
14. Total Iron (Fe					16				
15. Barium (Qual					С				
16. Phosphate Re					<u> 1(.</u>		 ,		
"Milli equivalente per Mor		9908	ABLE MINE	DAI COMP	neitin	na ja Maraka da ka			
		PRUB	ADLE MINE	Compound Ca (HCO ₃):			X Meq/I		Mg/I 377
		HCO.		Ca 504		68.07			
i./		nco;	1?	Ca Clz		55.50	29	1	610
		s o.	O	Mg (HCO ₃) ₂		73.17			
C Mg				Mg SO ₄		60.19			
295 Na		CI	2 24;	Mg Cl ₂		47.62			
	w.			Na HCO:		84.00			
Saturation 1		led Water 20°		Na:SO:		71.03			
Ca CO ₃		Ag/i		Na Ci		58.46	195	1:	1340
Ca SO4 - 21				jia Ci					
Mg CO ₃	1031 hativity = 1.081		n g - 50°						•
REMARKS Ite:	MINDAVALLY - LOVE	, O.M. THE	(. (



TIDWELL 1-3A4

NAMES AND ADDRESSES OF LANDOWNERS WITHIN A ONE-HALF MILE RADIUS OF THE PROPOSED DISPOSAL INJECTION WELL:

Clinton Bowden Altonah, Utah 84002

Dean Max Carroll Altonah, Utah 84002

Edwin C. Fisher Altonah, Utah 84002

Gary Jessen Star Route Altonah, Utah 84002

A. Curtis Lamb 2580 East 1500 South Vernal, Utah 84078

H. Junior Tidwell Altonah, Utah 84002

Ute Indian Tribe Ft.Duchesne, Utah 84026

on page 1)

ORM DOG: Ruie I-5 (I Revised)	W-UIC-2 b) 2 com	17 . l	•••		6 - 8-489			EASE TYPE OR U
A NO	•	DEPART	MENT (OF NATUR/ VISION OF OIL Room 4241 St	ys after drilli AL RESOURC ., GAS, AND M ate Office Buik ity, Utah 8411	CES AND INING Jing		COUNTY LEASE NO.
TYPE CO Single Z Multiple Comings	Zone		COOPE TO FAI	OMPANY OPE PICE ADDRES WIN ROO RM NAME _ SILLING START ATE OF PRIST (BLL LOCATED 899 FT. (S P DSEVELT Tidwel TED 3-8-1 PRODUCTION NW & SI PROM SLOF W	Ow Val .0. Dri .0. STA 1. 73 DR 9-1- E w NE	awer 13 ATE ZIP Uta WELL NO. 1 HLING PINISH 73 COMPL 1259 PT. F	oleum, Inc. 0 h 84066
CATION (DICEPTION		 	OIL OR	GAS ZONES			
	Name		from	To.		Name	6	rem To
Green	River	1	3052	13618				
Vasato	h	1	7193	17902				
				CASING	& CEMENT			
	G	alog Sot			Cog. Tool		. Come	ut .
Stee -	Wgt.	Grad		Foot	Poi	Sex	Fillup	Тор
13-3/8	68#	K-55		376'		434		
9-5/8		N-80	7	7440'		717		Surface
7-5/8	29: 7# 33: 7#	S-95		1358'		700	14175'	12950'
5½	20#,23	# L-8	10 1	10076		1085	(see ex	planation

Baker Model R @ 12991'

MOTE: THIS FORM MUST ALSO BE ATTACHED WHEN PLUNG PLUGGING FORM DOGM-LIC-6

	1	2	3
FORMATION	Wasatch	Green River	
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)			
PERFORATED	17445'-18613'	13052'-13618'	
	17193'-17902'		
INTERVALS			
17445-18613 ACIOIZED1	20,000 15%HCT 20,000 7½%HCT	12,500 15%HC1	
17193-17902	28:888 15%[8]		
FRACTURE TREATED?	168,000SuperE		
INITIAL TEST DATA			
Date	9-8-73	3-26-84	
Oil, bbl./day	655	70.6	
Oil Gravity	·		
Gas, Cu. Ft./day	840 n F	57 n €	CF
Gas-Oil Ratio Cu. Ft./Bbl.	1282	807	
Water-Bbi./day	0	332	
Pumping or Howing	Flowing	Pumping	
CHOKE SIZE	20/64"	·	
FLOW TURING PRESSURE	600-400	2400	
	ns drilled through, and po (use green		ented on the reverse.
Catie L. Bucher I, the undersigned, being first	duly sween upon early, ata	to that this wall record is	true correct and comple
according to the records of thi	s office and to the best of	my knowledge and beli	ef.
Telephone 722-5166	Catie L. Buc	Petroleum, Inc. Cher, Staff Eng	jineer
-Lander-		title of representative of	
Subscribed and sworn before	me this 23 rd day	a / hou	14/285
Gramission Expir	es	Sherrite	Melester

Formations Drilled Through:

Uinta Formation Top-- Approximately 5300' Green River Top-- Approximately 7960'

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING **ROOM 4241 STATE OFFICE BUILDING** SALT LAKE CITY, UTAH 84114 (801) 533-5771

RECEIVED

FORM NO. DOGM-UIC-1 (Revised 1982)

(RULE I-5 & RULE I-4)

MAY 28 1985

IN THE MATTER OF THE APPLICATION OF	1		N UF OIL
Bow Valley Petroleum, Inc. ADDRESS P.O. Drawer 130	CAUSE NO.	GAS.&	MINING
Roosevelt, Utah ZIP 84066	ENHANCED RECOVERY	INI WEIL	
INDIVIDUAL PARTNERSHIP CORPORATION X	DISPOSAL WELL	INJ. WELL	
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE	LP GAS STORAGE EXISTING WELL (RULE I	-4)	<u></u>
SEC. 3 TWP. 1S RANGE 4W		en general de la companya de la comp	
COUNTY, UTAH COUNTY			

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced reovery injections, disposal or LP Gas storage operations.

and the first term of the control of	Well No		Field		County
Tidwell		1-3A4	Altar	nont	Duchesne
ation of Enhanced Recovery ection or Disposal Well NW.SE.	NE	Soc	3	Twp1S	Rge4W
w Well To Be Drilled Yes No XX		Well To Be Conve Yes/X		Casing Test Yes	(Will be)
pth-Base Lowest Known sh Water Within ½ Mile 3001	Doe:	s Injection Zone C Gas-Fresh Water \	ontain Within ½ Mile YE		State What
e ction of Altamont ection Source(s) Duchesne Co			Goologic Name(and Dopth of S	s) Green R ourco(s) Was	iver 11,854'-12,546 atch 13,604'-18,700
alanic Name of		GreenRiver	Depth of Injection Interval 744	<mark>" • 8677'</mark>	-
Top of the Perforated Interval:	7440'	b. Base of Fresh			ckness (a minus b) 7140'
the intervening thickness sufficient the intervening thickness sufficient the intervenient	to show fi	resh water will be	protected YES X NO		
nology of Intervening Zones	Shal	e with san	dstone str	ringers	
ection Rates and Pressures	Maxi	mum		3000 1500	B/D
				<u> </u>	
Names and Addresses of These t	o Whom N	etice of Applicatio	on Should be Sent		
Names and Addresses of These t *See attached		otice of Applicatio	n Should be Sent		
		otice of Applicatio	on Should be Sent		
		etice of Applicatio	n Should be Sent		
		etice of Application			
*See attached		etice of Application	C.L. Bi	ucher ley Petrole	um, Inc.
*See attached Utah		etice of Application	C.L. Bi	ucher ley Petrole	
*See attached "The of Utah Uintah Before me, the undersigne own to me to be the person of the states, that he is duly au	d author whose no	rity, on this da	C.L. Bu Bow Val	icher lley Petrole ppeared pre instrument, w	um. Inc. plican Buckle who being by me sluly sworn knowledge of the facts size
to ofUtah	d author whose no thorized a true and before n	rity, on this da	C.L. Bu Bow Val y personally a sed to the about above report a day of a Expires	icher lley Petrole ppeared pre instrument, w	um. Inc. plican Buckle the being by me stuly sworn knowledge of the facts size

FORM DOGM-UIC-1 (continued)

INSTRUCTIONS

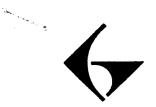
- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) exples of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to he surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface Conductor Casing	13-3/8" 9-5/8"	376 ' 7440 '	434 sx 717 sx	Surface	Drilling Reports
Intermediate	7-5/8"	14205'	700 sx	12950'	Temperature Log
Production	5½"	8677'-18753'	1085 sx		
Tubing	2-7/8"	12991'	(Currently)	e - Type - Depth e Baker R-3	Tubing Packer 0 12991

*Production Liner 8677'-13667' ---- was cemented to top in early 1984 w/385 sacks of cement

*Production Liner 13667'-18753' ---- was originally cemented with 700 sacks of cement. Top by bond log (8-20-73) was about 16480' for 50% or more. Also very good cement at 13300'-13480'. Good cement at 13450'-13650'.



Bow Valley Petroleum Inc.

P.O. Drawer 130, Roosevelt, Utah 84066

Telephone: (801) 722-5166

May 22, 1985

RECEIVED

Division of Oil, Gas, & Mining UIC Department 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180 MAY 28 1985

DIVISION OF OIL GAS & MINING

RE: Disposal Well Application Tidwell 1-3A4 Section 3, T1S, R4W Duchesne County, Utah

ATTENTION: Gil Hunt

Dear Mr. Hunt,

Enclosed is an application to convert the Tidwell 1-3A4 to a water injection well.

This well was drilled and completed in the Wasatch Formation in 1973. Wasatch production continued until March 1984, when the Green River and Wasatch were co-mingled. Cumulative production has been about 115,000 BO. Currently, the well is producing about 15 BOPD.

Bow Valley is proposing injection into the Uinta and Upper Green River zones between 7440' and 8677'. This is above the cement top at 12950'. The injection zone will be cemented for isolation following a plug back of existing perforations. At the same time, water analyses of the injection zone, injectivity tests and casing tests will be performed. All records of these tests and a cement bond log will be submitted to the State prior to injection.

In addition, State water analyses will be performed on fresh water sources within a half-mile. This will establish water quality and allow continual monitoring as necessary during the life of the injection well.

If you have any questions, please call.

Sincerely,

BOW VALLEY PETROLEUM, INC.

Catie L. Bucher
Staff Engineer/Altamont-Bluebell

Catie L. Bucker

mm

Attachments

Operator: Bow Unlley PEt.	Well No. 7	iduell 1-3A	4
County: Duckers T15 R 44			
New Well Conversion 🛩 Disposal W	VellEn	hanced Recover	y Well
		YES	<u>NO</u>
UIC Forms Completed			
Plat including Surface Owners, L and wells of available record	.easeholder	s, 	
Schematic Diagram			***
Track for Tallygon the College		/s	nss
Spudressus 60073	· -		
Compt 3-27-74 WSTC	-	?	
recompl 3-21-34 GRAUS	· ·	frod. w	eter
PAID 6-1-87	Yes _	No	TDS
	Yes	No	TDS WILL SAM
	~ ^ 0 ~		, 0
Shot there be reference.	Dud. K		above above
to ini app?	w Nous	_ Prod	P&A
W 19 77		Water	Inj.
Such an old insection and	Yes	NA probab	y not need
don't enter since APD	Yes _	No	
sout boun some APD	- Date W	Type	PT
was prior 6 plugging.	unite?		
12-14-67			
· / / 77-7/	_	Market and the language of the state of the	
	_		

w We	11	Conv								43-8 ecover		
		-		 -	·					YES	,	NO
• •	UIC F	orms Co	omplete	ed						~	_	
	Plat and	includ: wells	ing Sur of ava	rface ailabl	Owner e rec	s, Lea ord	sehold	lers,				
	Schem	atic D	iagram									
	Fract	ure In	formati	ion					****	L2	ns5.	
	Press	ure an	d Rate	Contr	ol		•				_	
	Adequa	ate Ge	ologic	Infor	matio	n				?	_	
	Fluid	Source	9						4	Prod. w	eten	
	Analy	sis of	Inject	ion F	luid		Yes		No		TDS	
		sis of be inje			rmati	on	Yes		No		TOSC	NTU 5
	Known	USDW :	in area	3			Dud	R.	· · · · ·	Depth	abo	JE at
	Numbe	rofwe	ells in	n area	of r	eview	No	LE P:	rod.		P&A	
								W	ater		Inj.	
	Aquif	er Exer	nption				Yes		_ NA	probab	14 ho	+ nsen
	Mecha	nical :	Integr	ity Te	st		Yes	~	No	1	<i>(</i> -	
	ıts:	Lence	holden	:5 W	vi Hedr	- ½ 1	Date	Coupl	ited	Туре	PT	

Reviewed by: 5/30/85



FORM #88-21498 19M G & C

N L Industries, ... P.O. Box 1675 Houston, Texas 77001 RAPOID TREATING

WATER ANALYSIS REPORT

RA	ROID	TRE	ATING	CHEN	HCAL!

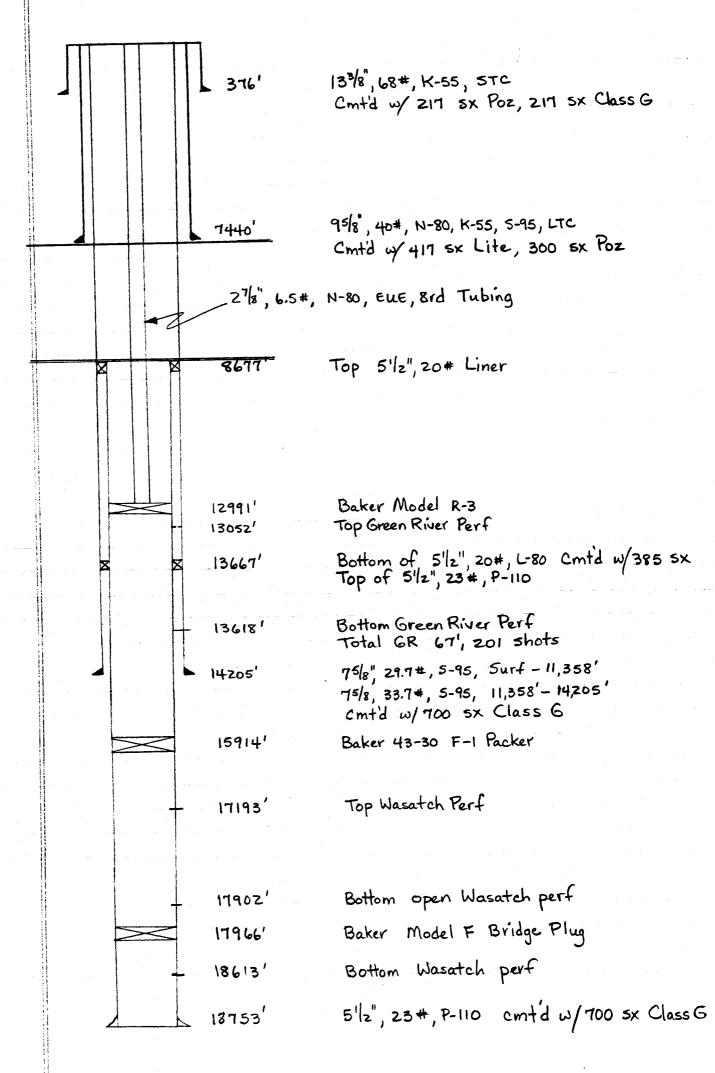
									SHEET	UMBER
					<u> </u>				DATE	
COMPANY		_							i	5-76
ELEL D		CAMONO			COUNT	Y OR PARISH			STATE	
71225	Blueb	. 11			'	Duches	IJ.₽		UTA	14
LEASE OR UNIT	NIVER		VELL(S) NAME C	R NO.	WATER	R SOURCE (FO				
	*		TIDWE	76.						
DEPTH, FT. BH	1T, F	SAMPLE SOU		TEMP, F	WATER	, BBL/DAY	OIL, BBL/D	AY	GAS, MM	CF/DAY
DATE SAMPLED		TYPE OF W	ATER				*			
		PRODU	CED	SUPPLY		WATE	RFLOOD		SALT V	NATER DISPOSAL
				TER ANALYSIS						
			_	ION SYMBOL IND	ICATES	me/I* SCALE				200.7
Na ^{+ 20}	15	10	-1-1-1-1			- 	10	15	' 	²⁰ C1 ⁻
' '	`	' · · · ·		' ' ' '				}		
Ca ⁺⁺					1-1-		++-		- - - 	HCO3
			1 1 1 1		1 1 1	' ' '	, , , , ,	' ' '	, , ,	'
Mg ⁺⁺	, , .	. , , ,			1 1 1		, , , ,	, , , }	1 1 1	so4=
Mg	+++	 		- - - - - - - - - - 	1 1 1	1-1-1-	1-1-1-1			1
	1				÷					
Fe +++						<u></u>				CO3=
DISSOLVED SOLID	c					DISSOLVE	D CASES			
DISSOLVED SOLID	.5					D1330E 4 E	.D GAJEJ			
CATIONS			me/ *	mg/1'	•	Hydrogen S	Sulfide,H2S			_ mg/l*
Total Hardness			<u>me/ </u> *			Carbon Die			15	_ mg/l*
Calcium, Ca ++				40		Oxygen, O			0	mg/l*
Magnesium, Mg++			•	72						
Iron (Total) Fe+++				. 1		PHYSICAL	PROPERT	TES		
Barium, Ba++				60						
Sodium, Na+(calc.)				1969		pН			7.3	
00010111, 110 (00101)						•	Potential)		NO	MV
ANIONS						Specific G			NO	_
Chloride, Cl				2950	<u> </u>		JTU Units		NO	
Sulfate, SO ₄ =				65		Total Diss	solved Solid:	s (calc.)	5752	_ mg/l*
Carbonate, CO3 ⁼				C		Stability l	ndex @ <i>_/(</i> @	<u>0</u> F	+0.7	
Bicarbonate, HCO ₃	- '			573	3	•	@	F	NA	_
Hydroxyl, OH -		. <u></u>				CaSO ₄ Sol	ubility @	_F	ND	_ mg/l*
Sulfide, S=		· · · · · · · · · · · · · · · · · · ·		0			@	F	NO	_ mg/l*
Pos				23			4 Possible (ND	_ mg/l*
		. <u> </u>		-			4 Possible (60	_ mg/l*
						Residual l	dydrocarbon	S	ND	_ ppm(Vol/Vol)
SUSPENDED SOLI	DS (QUA	LITATIVE)		•	Agram of	N. May				
		w.		,	1.45 gr.		n Mere		a* .	
Iron Sulfide 🗌	Iron Ox	ride 🔲	Calcium Carl	oonate	Acid In	soluble 🔲				are commonly
REMARKS AND RE	COMME	NDATIONS:								epm and ppm
										and ppm are
										d be made for
							speci	fic gravi	τy.	
				.						
BTC ENGINEER			DIST. NO.	ADDRESS		· · · · · · · · · · · · · · · · · · ·	li li	PHONE	401	ME PHONE
CHUCK	MART	- ~	10	VERNA	1		789	-1668	10	9-2828
ANALYZED	n		DATE	DISTRIBUTION		TOMER		REAOR	DISTRIC	TOFFICE
			6-25-76		BTC	ENGINEER O	R BTC LA	\ B	BTC SAL	ES SUPERVISOR

FORM #8R-21498 10M G & C

BAROID TREATING CHEMICALS

						SHEET NUMBER
COMPANY				 		DATE
FINENG DE	AMOND	CORP.				4-16-76
FIELD	•	,		COUNTY OR PARISH	· ·	STATE
BLUEBELL				DUCHES		UTAH
LEASE OR UNIT	"	TIDW.		WATER SOURCE (F		
DEPTH. FT. BHT, F	SAMPLE SOU		TEMP, F	WATER, BBL/DAY	GENERATOR	GAS, MMCF/DAY
DEFIN. FI. DRI, F	SAMPLE SOU	RCE	TEMP, P	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY
DATE SAMPLED	TYPE OF WA	TER				
4-14-76	PRODUC	ED	SUPPLY	WATE	RFLOOD	SALT WATER DISPOSAL
			TER ANALYSIS			
Na ^{+ 20} 15	(N 10	UMBER BESID	E ION SYMBOL INDI O	CATES me/I* SCALE	UNIT) 10 1	5 20 _{C1} -
Na TITI	1111	1111			, , , , , , , , , , , , , , , , , , , 	
Ca++		1 1 1 1				460.°
— °" 	 	+ + + + + -				HC03-
	4.	••				
Mg ⁺⁺	 	+++-				SO4=
Fe +++	1111				1 1 1 1 1	CO3 [*]
27.000 11.70 001 12.0	· · · · · · · · · · · · · · · · · · ·					
DISSOLVED SOLIDS				DISSOLVE	D GASES	
CATIONS		/1*	/!#			
Total Hardness		<u>me/l</u> * Ⅰ. 6	<u>mg/l*</u> හිදු ද		Sulfide,H₂S	<u> </u>
Calcium, Ca ++		1.2	24.0		oxide, CO2	N.D. mg/l*
Magnesium, Mg++		0.4	4.9	Oxygen, O		mg/1"
Iron (Total) Fe+++			0.2	DUVCTO A I	DDADEDTIES	
Barium, Ba++		<u>e-a</u>		PHYSICAL	- PROPERTIES	
Sodium, Na+(calc.)		0.0	0.0			0.0
Journal, Ita (carc.)		 		pH	Data at all	<u>8.9</u>
ANIONS				Eh (Redox Specific G	•	
Chloride, Cl		9.0	320		JTU Units	N.D.
Sulfate, SO ₄ =	-	3.1			olved Solids (calc.)	mg/l*
Carbonate, CO ₃ = \		0.4	12.0			mg/ i
Bicarbonate, HCO ₃		0.6	36.6		@I	
Hydroxyl, OH -		0,0	0.0	CaSO ₄ Solu	ibility @ F	mg/l*
Sulfide, S=		0.0		000070010	@ F	mg/l*
				Max. CaSO	4 Possible (calc.)	mg/l*
			•		4 Possible (calc.)	mg/l*
					lydrocarbons	ppm(Vol/Vol
					.,	pp(voi) voi
SUSPENDED SOLIDS (QUA	LITATIVE)				•	
Iron Sulfide ☐ Iron O		· · ·	. —		***************************************	· .
		Calcium Carl	oonate 🔲 🧼 A	cid Insoluble 🗌		and mg/l are commonly
REMARKS AND RECOMME	NDATIONS:		•			geably for epm and ppm Where epm and ppm are
						ons should be made for
		•		·	specific gravit	
			٠,			•
BTC ENGINEER		DIST. NO.	ADDRESS		lossis =	
CHUCK MARTZ		10	}		OFFICE PHONE	767 4828
ANALYZED	~	DATE	VERNAL DISTRIBUTION	OCAH Customer	787-1668	
CHUCK MARTE	<u> </u>	4-15-76		J EUSTOMER] BTC ENGINEER OF	AREA OR [DISTRICT OFFICE BTC SALES SUPERVISOR

TIDWELL 1-3A4





TIDWELL 1-3A4

NAMES AND ADDRESSES OF LANDOWNERS WITHIN A ONE-HALF MILE RADIUS OF THE PROPOSED DISPOSAL INJECTION WELL:

Clinton Bowden Altonah, Utah 84002

Dean Max Carroll Altonah, Utah 84002

Edwin C. Fisher Altonah, Utah 84002

Gary Jessen Star Route Altonah, Utah 84002

A. Curtis Lamb 2580 East 1500 South Vernal, Utah 84078

H. Junior Tidwell Altonah, Utah 84002

Ute Indian Tribe Ft.Duchesne, Utah 84026



Bow Valley

SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000

P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (\$03) 858-9765 P.O Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

Roosevelt, Utah

3-13-85

DATE:___

WATER ANALYSIS REPORT

ADDRESS .

URCE Farner	morth 1-18A4 RAW, Duchesne Co., Utah	E SAMPLED3	-13-85	ANALYSIS NO	o. <u> </u>
Sec. 10, 113,	nelyels 9.8	•	/l (ppm)		*Mag/I
PH	None Detected (Ama	nonia Interfere	nce)		
H ₂ S (Qualitative)	1.0550		•		
Specific Gravity		171	,00 0		
Dissolved Solids					
Suspended Solids				- 1111	
Anaerobic Bacterial Co		C/MI 95	, 5 00		
Methyl Orange Alkalini		126	,510	 	1,910 HCO
Bicarbonate (HCO ₃)	•	000	,842	÷35.5	728
Chlorides (CI)		l.c	.000	÷35.5 ÷48	875 so
Sulfates (SO ₄)			280	÷20	14 C
Calcium (Ca)		Ca	29	+20 ÷12.2	
Magnesium (Mg)		M g	400	+16.6	W
Total Hardness (CaC	O ²)		1.2		
Total Iron (Fe)			0		
Barium (Qualitative)			0		
. Phosphate Residuals					
IIII equivalents per Mer	PROBABLE N	AINERAL COMPOST	TION		
		Compound Ca (HCO ₂) ₂	Equiv. Wt. 81.04	X Meq/1 14	= Mg/1 1,155
71. Co ←	нсо,	Ca SO	68 .07		
14 6	1,720	Ca Ci,	\$5.50		
2 Mg	so. 875	Mg (HCO:):	73.17	2	146
		Mg SO ₄	€0.19		
3,497 Na	cı 728	Mg Cl ₂	47.62		
Saturation Values	Distilled Water 20°C	Na HCO:	84.00	1,894	159,095
Ca CO:	13 Mg/l	Na ₂ \$04	71.03	875	62,152
Ca SO4 - 2H2O	2,090 Mg/l	Na Ci	58.46	72 8	42,559
Mg CO ₃	103 Mg/l				
ang CO3		ters @ 78 °F			



SOONER CHEMICAL SPECIALTIES, INC.

Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

		Bow Valley		ADDRESS	i		DATE:	6-4-81	<u> </u>
	PANY	. Mówell #1-	3A4	DATE SAM	E 12	2-84	ANALYSIS NO	1554	
SOU	Sec.	3, TIS , RAW,	Duchesne Co.,	Utah	30 (g/l (ppm)		*Meq/I	
1.	₽H		8.5						
• •	H ₂ S (Qualit	ativa)	1.5						
	Specific Gr		1,005						
3.	Dissolved S			-	12	2,000			
4.	Suspended			-					
5.	•	Bacterial Count		C/MI					
6.	-				86	50			
7.		nge Alkalinity (C	,200.,	HCO ₃	1	<u>049</u>	÷61	17	HCO
8.	Bicarbonal					965	÷ 3 5.5	224	
9.	Chlorides (0		÷48	0	so
10.	Sulfates (S	SO ₄)		_		2น	÷20	46	C
11.	Calcium (÷12.2		M
12.	Magnesiu			Mg		140			
13.	Total Hard	dness (CaCO ₃)				6			
14.	Total Iron	(Fe)							
15.	Barium (C	Qualitative)				į.			
16	. Phosphat	e Residuals				<u></u>	·		
-64	ilili equivalents per l	itei	PROB	ABLE MINE	RAL COMPOS	ITION			
					Compound	Equiv. Wt.	•	=	Mg/l
_					Ca (HCO ₃):	81.04			377
	1.2	Ca	HCO:	1?	Ca SO:	6 8.07			43.0
-				O	Ca Cl ₂	\$ 5.50	29		.610
1	C	Mg	so.		Mg (HCO ₃);	73.17			
t		4		224	Mg SO4	60.19			
1	355	Na	CI		Mg Cl ₂	47.62			
•	Satura	ition Values	Distilled Water 20°	°C	Na HCO:	84.00			
	Ca CO)3	13 Mg/l		Na ₂ SO ₄	71.03			
)₄ · 2H₂O	2,090 Mg/l		Na Cl	58.46	195	1	1340
	Mg C	n-	103 Mg/l						
	_	Remia tivit "	= 1.080 cla-met	cr et 730	ì.				
•	REMARKS							•	



SOONER CHEMICAL SPECIALTIES, INC.

Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPA	bow Valley		ADDRESS			D	ATE:	2-20-85
	Miles 1-20A4		DATE SAM	PLED 2-12	-S <u>5</u>	ANALYSIS	NO	1736
SOUR	Sec. 20, T1S, R4W,	Duchesne Co.,Ut	ah	M g/1 ((ppm)			*Meq/I
1. P	н –	7.9						
2. H	2S (Qualitative) _							
3. S	pecific Gravity	1.007		4900				
4. D	Issolved Solids		-	4900				
5. S	suspended Solids	•	-					
6. <i>A</i>	Anaerobic Bacterial Cour	nt	C/MI	-/-				
7. N	Methyl Orange Alkalinity	(CaCO ₃)	-	760			7 5	<u>_</u>
	Bicarbonate (HCO ₃)		HCO ₃			÷61	<u>15</u>	HCO ₃
9. (Chlorides (CI)		CI.			÷35.5_	<u>80</u>	CI
_	Sulfates (SO ₄)		SO ₄ .			÷48	<u> </u>	SO4
	Calcium (Ca)		Ca.	25		÷20	<u>l</u>	Ca
	Magnesium (Mg)		Mg	0		÷12.2 _	<u> </u>	Mg
	Total Hardness (CaCO ₃)	1		45				
	Total Iron (Fe)			0.4				
	Barium (Qualitative)			0				
	Phosphate Residuals							
	equivalents per liter	550	DADIE MINED	AL COMPOSIT	ION			
•		PKU		Compound		X Meq	/I	= Mg/I 243
		۲		Ca (HCO3)2	81.04			243
	3 Ca	нсо,	15	Ca SO4	68.07	******		
-				Ca Cl ₂	55.50	e		
	() Mg	so.	3	Mg (HCO3)2	73.17			
			80	Mg SO.	60.19			
	95 Na ——	CI [1	Mg Cl ₂	47.62		· ··· ·	
	Saturation Values	Distilled Water 20	0°C	Na HCO:	84.00	12	·	1000
	Ca CO ₃	13 Mg/I		Na: SO4	71.03	3	· · · · · · · · -	213
	Ca SO₄ · 2H₂O	2,090 Mg/l		Na CI	58.46	80		4677
	Ma CO:	103 Mg/l						
~ F1	MARKS <u>Resistivity</u>	= 1.280 ohm-me	ter at 70°	F.				
HEN	MANNO							***

Hinta Research and Analytical Services 291 East 200 North

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

MPANY Bow Valley	AI	DRESS		DATE:	8-13-84
Reary 1X-17A3	D	ATE SAMPLED	AN	ALYSIS NO	W-877
Sec. 17, T1S, R3W, I	Ouchesne Co., Utah	Mg/L		°Meq/L	
1. PH	8.89				
2. H2S (Qualitative)	1.005	•			
3. Specific Gravity		6772	.19		
4. Dissolved Solids		- <u>.</u>	•	<i>3</i> 1.5	
5. Suspended Solids		26	· · · · · · · · · · · · · · · · · · ·		
6. Phenolphthalein Alkalinity	(CeCO3)	36		••	
7. Methyl Orange Alkalinity (C	CaCOs)	328		•	
8. Bicarbonate (HCO3)		HCO ₃ 200	÷ 61		28 HC
9. Chlorides (CI)		cı <u>3399</u>	÷ 35.5	95.	75 cı
		so ₄ 61	<u>7</u> ÷ 48	12,	85 so
		Ca32	÷ 20	<u> </u>	60_ ca
11. Calcium (Ca)	•	Mg10	÷ 12.2		82 Mg
12. Magnesium (Mg)	•	120			•
13. Total Hardness (CaCO ₃)	•		20		
14. Total Iron (Fe)					
15.	3	1500			
16. Conductivity (n nini	mmHos 1500		pm	
*Milli equivalents per liter		ivity 7 @			
	PROBABLE MIN	IERAL COMPOSITI	ON		
Ca <	HCO ₃	Compound	Equiv. Wt. X	Meq/L	= Mg/L
1.60	3.28	Ca (HCO3)2	81.04 _	1.60	129.
.82 Mg	so ₄	Ca SO4	68.07 _	0	
	CI 95.75		55.50 _	0	
109.40		Mg (HCO3)2	73.17	.82	60.
Saturation Values Ca CO3	Distilled Water 20° C 13 Mg/L	_	60.19	0	
Ca SO4+2H2O	2,090 Mg/L	Mg SO4		0	
Mg COs	103 Mg/L	Mg Cl2	47.62	.86	
Remarks: Carbon Dio:	xide= ./1 mg/l	Na HCO3	84.00 _		72.
		Naz SO4		12.85	912.
		Na CI	58.46	95.75	<u>5597.</u>

Thank you for the business:



Minta Research and Analytical Services 291 East 200 North

James F. Smith

WATER ANALYSIS REPORT

(801) 722-253

OMPANY_Bow Valley	· · · · · · · · · · · · · · · · · · ·	DDRESS		DATE:	8-13-04
OURCE_Rust #2 -22 A4		DATE SAMPLED	AX	ALYSIS NO	W-887
Sec. 22, T1S, R4W,	Duchesne Co., Utah	Mg/L		*Meq/L	
1. PH	8.91				
 H₂S (Qualitative) Specific Gravity 	1.000	_5741.7	6.	·	-
4. Dissolved Solids			-		
5. Suspended Solids	•	28		 	
6. Phenolphthalein Alkalinity (C		276	· · ·		•
7. Methyl Orange Alkalinity (Ca	aCO3)	. 168		2	•75 нсоз
8. Bicarbonate (HCOs)		HCO ₃ CI	÷ 61 ÷ 35.5		.85 cı
9. Chlorides (CI)		115	- 48		.85 so
10. Sulfates (SO ₄)		so ₄ <u>617</u> Ca <u>48</u>	÷ 20		.40 Ca
11. Calcium (Ca)		5	+ 20 + 12.2	1 mg 4 mg	.41 Mg
12. Magnesium (Mg)	•	Mg	+ 1££		
13. Total Hardness (CaCOs)	•	.6			4.5
14. Total Iron (Fe)		• • • • • • • • • • • • • • • • • • •			
15.		mmHos 1350	0 .	om	
16. Conductivity (*Milli equivalents per liter	Resisi	tivity 85 @			
	PROBABLE M	NERAL COMPOSITIO	ON		
. Ca <	нcо _з	Compound	Equiv. WL X	Meq/L	= Mg/L
2.40.	2.75	Ca (HCO3)2	81.04	2.40	194.50
Mg	so. 12.85	Ca SO4	68.07	0	0
91.64 Na	CI 78.85	Ca Clz	55.50		0
Saturation Values	Distilled Water 20°C	Mg (HCO3)2	73.17	35	25.61
Ca CO3 Ca SO4+2H2O	13 Mg/L 2,090 Mg/L	Mg SO4	60.19	.06	<u>3.61</u>
Mg CO ₃	103 Mg/L	Mg Cl2	47.62		0
Remarks: Carbon Diox	ide= .33 mg/l	Na HCOs	84.00	0	
		Na2 SO4	71.03	12.79	908.47
		Na CI	58.46	78.85	4609.57
		Thank you i	or the business:		
			,		

Jomes F. Smith

Hinta Research and Analytical Senices 2 291 Bast 200 North

WATER ANALYSIS REPORT

(801)722-2532

COMPAN	NY Bow Valley		ADI	DRESS		DATE:8	-13-84
	Shiner #1-14	A4		TESAMPLED		WALYSIS NO. W	-876
500.10	Sec.14, T1S, R4W	Duchesne Co.	, Utah	Mg/L	•	*Meq/L	
1. 1	РН	9.04					
2.	H ₂ S (Qualitative)	4 000					
3 .	Specific Gravity	1.000	- .	4018			
4.	Dissolved Solids			_4018.	40		
5 .	Suspended Solids	•	•	48			
6.	Phenolphthalein Alkalinity	y (CaCOs)	•		· · · · · · · · · · · · · · · · · · ·		
7.	Methyl Orange Alkalinity	(CaCO ₃)		<u>804</u>			
8.	Bicarbonate (HCO3)		•	HCO ₃ - 249 1999	÷ 61	4.08	HCO ₃
9.	Chlorides (CI)			cı	÷ 35	-	CI
10.	Sulfates (SO4)			SO4	÷ 48	5.60	so.
11.				Ca6/_	÷ 20	3.20	Ca
12			•.	Mg5	÷ 12	.41	Mg
13	(0.00))		180			
14		•		1.	0		
15					-		
16			•	mmHos 11000 Lv1ty 85 @	<u>80</u> €	Sp cn	
		PRO	BABLE MINI	RAL COMPOSIT	ION		
•	Ca <	HCO3	•	Compound	Equiv. Wt. X	Meg/L =	Mg/L
3	.20		4.08	Ca (HCO3)2	81.04	3.20	259.53
	Mg	→ \$04	5.60	Ca SO ₄	68.07	0	0

Ca HCO3	Compound	Equiv. Wt.	X Meg/L	= Mg/L
3.20 4.08	Ca (HCO3)2	81.04	3.20	259.53
Mg 5.60	Ca SO4	6 8.07	0 .	0
62.38 Na CI 56.31	Ca Cl2	5 5. 5 0	0	0
Saturation Values Distilled Water 20°C	Mg (HCO3)2	73.17	41	30.00
Ca COs 13 Mg/L	Mg SO4	60.19	_0_	0
Ca SO4+2H2O 2,090 Mg/L Mg CO3 103 Mg/L	Mg Cl2	47.62	0	. 0
Remarks: Carbon Dioxide= .36 mg/l	Na HCO3	84.00	.47	39.48
	Naz SO4	71.03	5.60	397.77
	Na CI	58.46	56.31	3291.88
	_			

Thank you for the business:

.9/



Hinta Research and Analytical Services

WATER ANALYSIS REPORT

(801) 722-2532

,`		•			
	•	•			8-13-84
	ADDI	RESS		DATE:	
		ESAMPLED		analysis no	W-885
Duchesme Co.	, Utan	Mg/L		"Meq/I	L
9.06	-				
4 000	-				
1.000	- .				to .
		12805	<u> 10 -</u>		
CaCOs)	•	<u> </u>		÷.	
		144		•	
		HCO ₃ . 88	÷ 6		
		ci <u>7698</u>	÷ 3	4	
		so ₄ 18	÷ 4		38 so
		Ca 104	÷ 2		
		Mg5	+ 1	22	41 Mg
•	•	280			
			8		
		 -			
		mmHos 2200	0	DD M	
	Resisiti			··	
PROI	RABLE MINE	RAL COMPOSITI	ON		
	•			(Mea/L	= Mg/L
нсоз	1.44	•	•		116.7
504	1 1				25.8
Ci					187.5
					0
	er 20° C		•		. 0
2,090 Mg/L		_			19.5
103 Mg/L		-	• 1		0
xide= .12 r	ng/l	Na HCO3	84.00		0
·		Na2 SO4	71.03		12455.4
		Na CI	58.46	213.00	12477.4
		Thank you	for the busines	3 :	
	9.06 1.000 CaCO3) CaCO3) CaCO3) CCI Distilled Wate 13 Mg/L 2.090 Mg/L 103 Mg/L	Duchesme Co., Utah 9.06 1.000 Resisiti PROBABLE MINE HCO3 1.44 SO4 1.44 SO4 1.44 2.090 Mg/L 2.090 Mg/L	9.06 1.000 12805. CaCOs) 144 HCOs 88 C1 7698 SO4 18 Ca 104 Mg 5 280 PROBABLE MINERAL COMPOSITI HCOs Ca (HCOs)2 Ca SO4 C1 216.85 Ca C12 Distilled Water 20°C 13 Mg/L 2,090 Mg/L 103 Mg/L 103 Mg/L xide= .12 mg/l Narcos Narcos Narcos Narcos Narcos 1.44 Ca (HCOs)2 Ca SO4 Ca C12 Mg (HCOs)2 Mg SO4 Mg SO4 Mg SO4 Narcos Duchesme Co., Utah 9,06 1.000 12805.10 28 144 HCO3 88 + 6 CI 7698 + 3 SO4 18 + 4 Ca 104 + 2 Mg 5 + 1 280 .8 MmmHos 22000 Resisitivity 5 @ 80 FPROBABLE MINERAL COMPOSITION HCO3 Ca (HCO3)2 81.04 Ca (HCO3)2 81.04 Ca (HCO3)2 81.04 Ca (HCO3)2 68.07 Ca (HCO3)2 68.07 Ca (HCO3)2 73.17 13 Mg/L 2.090 Mg/L 103 Mg/L Mg SO4 60.19 Na SO4 13 Mg/L Mg Ciz 47.62 Xide= .12 mg/l Na HCO3 84.00 Na Ci 58.46	Duchesme Co., Utah 9,06 1,000 12805.10 28 144 HCO3 88 + 61 1. CI 7698 + 35.5 216. SO4 18 + 48 Ca 104 + 20 55. Mg 5 + 122 280	

مان عام كريها السوال



DATE Sept. 30, 1985

	DATE
THE ATTACHED PAPERS ARE REFERRED	
TO Gil Hunt	
FROM Michelle Me	cham
FOR THE PURPOSE INDICATED BY CHEC	K - PLEASE
INITIAL AND RETURN	APPROVE
NOTE AND RETURN TO ME	IMMEDIATE RETURN DESIRED
TAKE CHARGE OF THIS	YOUR INFORMATION OR FILES
TO BE SIGNED	YOUR COMMENTS
NOTE AND SEE ME TH	IIS A.M. P.M.
ANSWER, SENDING MI	E COPY OF YOUR LETTER
PREPARE REPLY FOR	MY SIGNATURE
REMARKS AS YOU REQUESTED	
Leaseholders	within half-mile
of proposed ?	Disposal well.
Tidwell 1-3A	4

SURFACE OWN_RSHIP OF TRACTS AFFECTED BY A & ILE RADIUS ARC EXTENDING FROM THE PROPOSED INJECTION WELL TO BE LOCATED IN SECTION 3-T1S, R4W. (PROPOSED SITE MEASURING 1381 FEET S FROM N SECTION LINE AND 1021 FEET W FROM E SECTION LINE).

OWNER AND ADDRESS	DESCRIPTION
Daniel Wesley Thacker Altamont, Utah 84001	T1N,R4W Section 34: SE4SW4
Ute Indian Tribe Fort Duchesne, Utah 84026	TIN,R4W Section 34: S날SE뉰
Ute Indian Tribe Fort Duchesne, Utah 84026	T1N,R4W Section 35: SW4SW4
H. Junior Tidwell and Norita B. Tidwell Altonah, Utah 84002	T1S,R4W Section 3: NE4NE4
Gary Jessen and Rosalee Jessen Altonah, Utah 84002	TIS,R4W Section 3: NE¼NW¼
A. Curtis Lamb and Marjorie Lamb, Trustees 850 W 3000 S Vernal, Utah 84078	T1S,R4W Section 3: SE4NW4,NE4SW4
Clinton Bowden and Lenna Bowden Altonah, Utah 84002	T1S,R4W Section 3: №2SE4
Reay Jessen and Beth Jessen Altonah, Utah 84002	TIS,R4W Section 3: E 3/4 of SW4SE4
Leslie Speed Route 2, Box 69 Altonah, Utah 84002	T1S,R4W Section 3: SE4SE4
H. Junior Tidwell and Norita Tidwell Altamont, Utah 84001	T1S,R4W Section 2: SW4
Edwin C. Fisher and Naomi Fisher Altonah, Utah 84002	T1S,R4W Section 2: NW¼

RECEIVED

OCT 0 1 1985

DIVISIUN OF OIL GAS & MINING

RECEIVED

OCT 0 1 1985

JIVISIUN UF OIL
GAS & MINING

LEASEHOLD OWNERSHIP COVERING LANDS AFFECTED BY A 1/2 MILE RADIUS ARC EXTENDING FROM THE PROPOSED INJECTION WELL TO BE LOCATED IN SECTION 3, T1S,R4W (PROPOSED SITE MEASURING 1381 FEET S FROM N SECTION LINE AND 1021 FEET W FROM E SECTION LINE).

LESSOR: Clinton Bowden and Lenna Bowden, h&w

Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI

BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 116-20 ASSN 134-595 ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: NE

DATE: 10-18-72 TERM: exp. 12-5-76 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: H. Junior Tidwell and Norita Tidwell, h&w, jt

Altamont, Utah 84001

LEASEHOLD: LADD PETROLEUM CORP.

74.917125% WI

OGL 116-23

BOW VALLEY PETROLEUM INC.

25.082875% WI

ASSN 134-595

ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: NE

DATE: 10-18-72

TERM: exp. 12-5-76

ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Richard Clark and Mary Elizabeth Clark, h&w

P.O. Box 104 Tremonton, Utah

LEASEHOLD: LADD PETROLEUM CORP.

74.917125% WI

OGL 73-581

BOW VALLEY PETROLEUM INC.

25.082875% WI

ASSN 131-693 ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: N2NW1 (Lots 3, 4)

DATE: 11-16-67

TERM: 10 years

ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Agnes Jeanne Cheney, a single woman

6233 E Pinchot Avenue Scottsdale, Arizona 85251

LEASEHOLD: GULF OIL CORPORATION

100% WI

OGL 79-1

DESCRIPTION: T1S,R4W Section 3: Lots 3, 4

Section 18: metes & bounds Section 19: E2NW1, NE1SW1

DATE: 12-3-68

TERM: 10 years

ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W L. Farnsworth #1/ Bow Valley (4-4-73) located in Section 18-1S,4W State 1-19/ Linmar (7-5-74) located in Section 19-1S,4W

LESSOR: Jesse Lewis Cheney

2382 St. Mary's Drive

Salt Lake City, Utah 84108

LEASEHOLD: GULF OIL CORPORATION

100% WI

OGL 79-3

DESCRIPTION: T1S,R4W Section 3: Lots 3, 4

Section 18: metes & bounds Section 19: ENW4, NE4SW4

DATE: 12-3-68

TERM: 10 years

ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-15,4W
L. Farnsworth #1/ Bow Valley (4-4-73) located in Section 18-15,4W
State 1-19/ Linmar (7-5-74) located in Section 19-15,4W

LESSOR: Gary B. Jessen and Rosalee B. Jessen, h&w, jt

Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP.

74.917125% WI 25.082875% WI OGL 114-524

BOW VALLEY PETROLEUM INC.

. ASSN 117-359 ASSN 135-492

DESCRIPTION: T1S,R4W Section 3: Lots 3, 4

DATE: 11-9-72 (effective) TERM: 2 years ROYALTY: 1/6

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: A. Curtis Lamb and Marjorie M. Lamb, Trustees

Altonah, Utah 84002

LEASEHOLD: LADD PETROLTUM CORP.

74.917125% WI

OGL 103-489

BOW VALLEY PETROLEUM INC.

25.082875% WI

ASSN 134-595 ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: N\(\frac{1}{2}\)SW\(\frac{1}{4}\), Also beg. at NE cor SW\(\frac{1}{4}\)SW\(\frac{1}{4}\); th W 57 rds, th SE'ly to pt 46 rds

S of beg, th N 46 rds to POB. Also beg at NW cor SWASWA, th S 100 ft, th E 150 ft, th N 100 ft, th W 150 ft to POB.

Section 9: NW \$SE \$

DATE: 9-24-71

TERM: exp. 12-5-78

ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Bank of Oklahoma, Trustee for Trust dated 11-7-75

for Laura O. Bennett, and Trust dated 2-22-77 for Philip Tabor Bennett and Darcy Ann Coale

P.O. Box 2300

Tulsa, Oklahoma 74192

LEASEHOLD: LADD PETROLEUM CORP.

74.917125% WI

OGL 85-374

BOW VALLEY PETROLEUM INC. 25.082875% WI

ASSN 131-693 ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: N2SW1

DATE: 2-13-70

TERM: 5 years

ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Bank of Oklahoma, Trustee for Helen S. Calk Trust, dated 3-6-84

P.O. Box 2300

Tulsa, Oklahoma 74192

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI OGL 85-435

BOW VALLEY PETROLEUM INC. 25.082875% WI ASSN 131-693 ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: N2SW2

DATE: 2-13-70 TERM: 5 years ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Clinton Bowden and Lenna Bowden, h&w

Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI OGL 116-26
BOW VALLEY PETROLEUM INC. 25.082875% WI ASSN 134-595

ASSN 135-485

DESCRIPTION: T1S,R4W Section 2: SW1

Section 3: NaSEd, SEdSWd, WawdSWdSEd

DATE: 10-18-72 TERM: exp. 12-5-76 ROYALTY: 1/8

HBP: Lamb #1/ Bow Valley (9-22-73) located in Section 2-1S,4W
J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Lora Killian, a widow, Clinton H. Killian and Elma Killian, h&w, Don L. Killian, asm, Glen R. Killian, aka Glenn R. Killian, and Dona Killian, h&w, and Mont Killian and Barbara Killian, h&w

Roosevelt, Utah 84066

LEASEHOLD: BOW VALLEY PETROLEUM INC. 100% WI OGL 122-173

DESCRIPTION: T1S,R4W Section 3: E 3/4 of SW4SE4

DATE: 3-15-73 TERM: exp. 12-12-73 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Reay Jessen and Beth Jessen, h&w

Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI OGL 103-560
BOW VALLEY PETROLEUM INC. 25.082875% WI ASSN 134-595

ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: E 3/4 of SW4SE4

DATE: 10-13-71 TERM: exp. 12-12-78 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: James C. Reeder

9437 Santa Monica Blvd.

Beverly Hills, California 90210

Patricia Reeder Eubank

511 N Alta Drive

Beverly Hills, California 90210

LEASEHOLD: LADD PETROLEUM CORP.

74.917125% WI

OGL 74-596

BOW VALLEY PETROLEUM INC.

25.082875% WI

ASSN 131-693 ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: SELSEL

Section 10: NEINEI, SEINEI
Section 11: NWINWI, WINEINWI, EINEINWI

Section 14: NELSWL Section 16: SWLNWL, SWLSWL Section 17: ShNE, EhSE

Section 20: NEINE Section 21: NaNW 1

DATE: 11-1-67

TERMS: 10 years

ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W L. Shiner #1/ Bow Valley (10-16-73) located in Section 14-1S,4W

-and others

LESSOR: Larry Orvan Maxfield

c/o Lester Maxfield Altonah, Utah 84002

Kent Murray Maxfield c/o Lester Maxfield Altonah, Utah 84002

Perry Lester Maxfield Altonah, Utah 84002

Leslie Speed Route 2, Box 69

Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP.

74.917125% WI

OGL 103-332 ASSN 134-595

BOW VALLEY PETROLEUM INC.

24.082875% WI

ASSN 135-485

DESCRIPTION: T1S,R4W Section 2: SW4SE4

Section 3: SE\fSE\frac{1}{4}

Section 10: NE LNE L, SE LNE L

Section 11: NW 1NW 1, W2NE 1NW 1, E2NE 1NW 1

DATE: 9-23-71

TERM: exp. 4-3-79

ROYALTY: 1/8

HBP: Lamb #1/ Bow Valley (9-22-73) located in Section 2-1S,4W J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Florence L. Mecham, a married woman

8544 N 59th Avenue

Glendale, Arizona 85302

LEASEHOLD: BADGER OIL CORP

100% WI

OGL 166-450 ASSN 199-177

P.O. Drawer 52745

Lafayette, Louisiana 70505

DESCRIPTION: T1S,R4W Section 2: Lots 3, 4, SE1NW1

DATE: 9-26-81 TERM: 5 years

ROYALTY: 1/6

LESSOR: Ray C. Lambert and Jeane A. Lambert, h&w 1912 W 9640 S

S Jordan, Utah 84065

LEASEHOLD: JOHN D. CHASEL P.O. Box 383

100% WI

OGL 185-692 ASSN 187-64

Roosevelt, Utah 84066

DESCRIPTION: T1S,R4W Section 2: NW1

DATE: 12-1-83 TERM: 3 years

ROYALTY: 1/6

LESSOR: Lucy L. Back and Jack H. Back, h&w

1413 S 1200 W

Salt Lake City, Utah

LEASEHOLD: JOHN D. CHASEL

100% WI

OGL 185-698 ASSN 187-62

P.O. Box 383 Roosevelt, Utah 84066

DESCRIPTION: T1S,R4W Section 2: Lots 3, 4, SEtNWt

DATE: 12-1-83 TERM: 3 years ROYALTY: 1/6

LESSOR: Jack H. Fisher and Kolleen Fisher, h&w

5953 Starlite Drive Murray, Utah 84107

LEASEHOLD: THOMAS K. GRAY AND JET GRAY, H&W 100% WI Duchesne, Utah 84021

OGL 185-704

ASSN 188-292

DESCRIPTION: T1S,R4W Section 2: NW1

DATE: 12-1-83 TERM: 3 years ROYALTY: 1/6

LESSOR: Edwin C. Fisher and Naomi Fisher, h&w

Altamont, Utah 84001

LEASEHOLD: THOMAS K. GRAY AND JET GRAY, H&W 100% WI Duchesne, Utah 84021

OGL 186-49 ASSN 187-442

DESCRIPTION: T1S,R4W Section 2: NW4

DATE: 12-7-83 TERM: 3 years

ROYALTY: 1/6

LESSOR: Clinton Bowden and Lenna Bowden, h&w Altamont, Utah 84001

LEASEHOLD: THOMAS K. GRAY AND JET GRAY, H&W Duchesne, Utah 84021

OGL 186-52 ASSN 188-292

DESCRIPTION: T1S,R4W Section 2: SW4

DATE: 12-7-83 TERM: 3 years

ROYALTY: 1/6

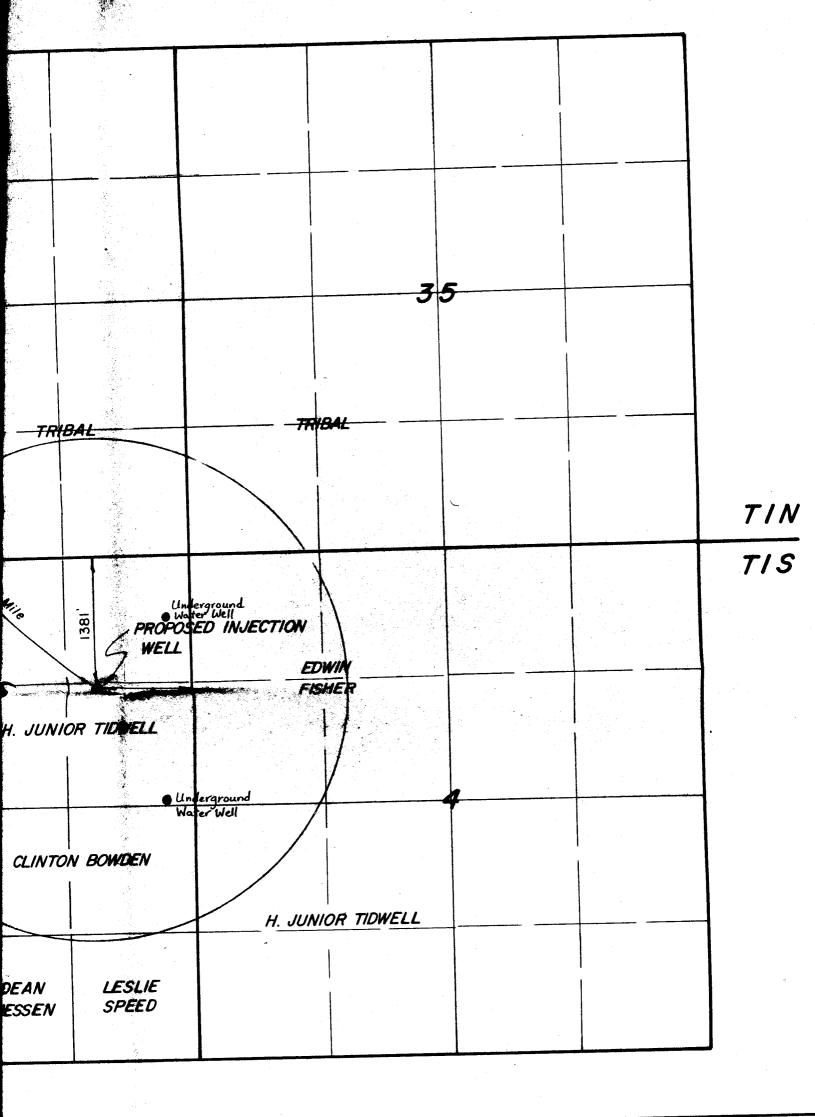
TIN TIS

LLEY PETROLEUM NERSHIP PLAT FOR 4 & 35. TIN, R4W, & & 4, TIS, RAW, USM.

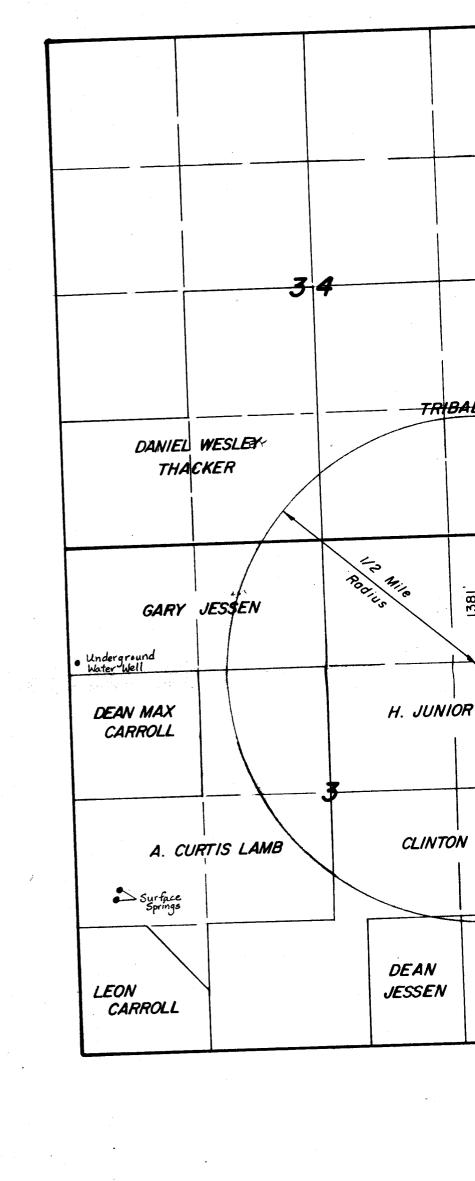
Uintah Enginee Land Surveying

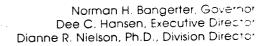
DRAWERQ 85 SOUTH 200 EAS

DRAWN APPROVED



REVISIONS	
	BOW VALLE
	LAND OWNERS
	SEC'S. 34 & 3
	SEC'S 3 & 4







355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 17, 1985

Bow Valley Petroleum, Incorporated PO Drawer 130 Roosevelt, Utah 84066

Att: Catie L. Bucher

Dear Ms. Bucher:

RE: Disposal Well Application, Tidwell 1-3A4, TlS, R4W, Section 3, Duchesne County, Utah

The Division's records show no offset wells to the above referenced well have been drilled to a depth comparable to that of the producing zones in the Tidwell 1-3A4. Since there may be a possibility of production from these zones in drilling units bordering the unit containing the 1-3A4, I feel approving injection through existing perforations in this well would not be prudent in protecting correlative rights. This situation was discussed with you by phone on April 16, 1985.

Therefore, no further action will be taken regarding this application as submitted. If you have any questions, please call.

Sincerely,

Gil Hunt

UIC Geologist

mfp 0156A-1

SUBMIT IN TRIPLICATE* (Of naturations on mersion)

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS, AND MINING

	DIVISION OF OIL, GAS, AN	ID MINING	5. LEASE DESIGNATION APP DESIGN PO.
<i>\$</i>			N/A
SUN (De net net this	DRY NOTICES AND REPORT FOR PERMIT—" SO	RTS ON WELLS r plug back to a different recervoir. r such proposals.)	N/A
			7. UNIT AGREEMBNY MAMB
OH Y WHEL	OT#88		N/A 8. FARM OR LEAGE HAMB
NAME OF OPERATOR			TIDWELL
BOW VAL	LEY PETROLEUM, INC.		9. WELL NO.
. ADDRESS OF OFBRATOS	AWER 130, ROOSEVELT, UTAH.	84066	1-3A4
LOCATION OF WELL ()	sport location eleatly and in accordance w	ith any State requirements.	10. PIELD AND POOL, OR WILDCAT
her also space 27 belo At ourface	• w. ;		Altamont 11. BBC, E, B, M, OR BLE, AMB
	· .		SURVEY OR ARBA
			Sec.3, T1S, R4W
4. PERMIT PO.	15. BLEVATIONS (Show wi	bether BF, RT, GR, etc.)	12. COUPTY OR PARISM 18. STATE
3-013-30208	6960' Ung	graded ground	Duchesne Utah
6.	Cheek Appropriate Box To Indi	icate Nature of Notice, Report, o	or Other Data
	HOTICS OF INTENTION SO:	1 803	SEQUENT REPORT OF:
		WATER SHUT-OFF	REPAIRING WELL
TEST WATER SECT-O	PULL OR ALTER CABING MCLTIPLE CONFLETE	PRACTURE TREATMENT	ALTERING CARING
PRACTURE TREAT	ABANDON*	SHOUTING OR ACIDIZING	ABANDONMENT®
BETAIR WELL	CHANGE PLANS	(Other)	sults of multiple completion on Well
(Other)		Completion or Rec	ompletion Report and Log form.) ates, including estimated date of starting any critical depths for all markers and somes perti-
	3. Py bull plugged seal assembl pinned to pup joint. RIH wi Shear off seal assembly. Sp	with tubing and packer. LD pac y, 2 pup joints with tubing coll th tubing. Set in packer at 15, ot 5 sx cement on packer. ith 10 ppg mud to 13,618'. PU t t. (Must be at least 100' cemen	ar 914'. 0
	above top perf). POOH 50 st 5. RIH tag cement. Pressure te	ds. Wut.	•
	6. POOH. RIH with perf guns.	Perf 4 shots at 7540' KB.	
	7. RIH with cement retainer on	tubing. Set at 7500'.	
	 Pump 80 sacks cement. Unsti of retainer. (At least 200' 	ng from retainer. Spot 45 sx on). POOH. 50 stds. NOC.	top
	9. RIH, tag cement. Pressure t	est to 2000#.	
	10. Perf 40 shots at 60' below g		
	11. Circulate down 7 5/8" and b Cement between 9 5/8" and 7 from 60' to surface. (Abou	DIO. CEZINAZ MINT CHE L'OLO	
	12. Install surface marker and	cut off wellhead.	, :
•	13. Remove production equipment Reseeding to be done as soo	. Clean and reclaim location. In as possible, prior to June 30,	1985.
18. I hereby certify the	it the foregoing is time and correct		T 0 05
MIGNED -	chelle A hecham TIT	ræ <u>Eng.Technician</u>	DATE 5-2-85
MILE	ELLE M. MECHAM deral or State office use)	•	
APPROVED BY	APPROVAL, IF ANY:	UF UT/	ED BY THE STATE AH DIVISION OF AS, AND MINING
	•	DATE L'S	8/85
	•C 1	tructions on Reverse Side	K. Dara
	Thee ins	muctions on Kevene Sine	

376' 13 3/8", 68 *, K-55, STC CMT'D W/ 217 SX POZ, 217 SX CHES G 95/8", 40", N-80, K-55, 5-95, LTC 7490' emr'D w/ 417 sx LITE, 300 sx for - 27/8", 6.5#, N-80, EUE 8rd tubing TOP 51/2", 20", LINER 8677 12991 BAKER MODEL R-3 TOP GREET RIVER PERF 13052' BOTTOM OF 5 1/2" 20", L-80 CMTD W/ 385 SX 13,667 TOP OF 51/2", 23", P-110 ECTION GR PERF; TOTAL GR 61,201 shots 13618' 75/8", 29.7*, 5-95 SURF- 11,358'
75/8", 33.7#, 5-95 11,358'- 14205'
0m'T wy 700 Sx Class G 14205 BAKER 43-30 F-1 PKR 159141 TOP WASATCH PERF 17193' 17 902 BOTTOM OPEN WASATCH PERF 17,966 BAKER MODEL F BRIDGE FLUG BOTTOM WASATCH PERF 186131 18.753' 51/2, 23", PIIO cmTD W/ 700 Sx Class G

> 3/4/85 CLB



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 30, 1985

Ms. Catie L. Bucher Bow Valley Petroleum Incorporated P.O. Drawer 130 Roosevelt, Utah 84066

Dear Ms. Bucher:

RE: Disposal Well Application, Tidwell 1-3A4, TlS, R4W, Section 3, Duchesne County, Utah

Please provide the following to complete your application in accordance with Rule I-5.

- A plat showing surface ownership, leaseholders and wells of available public record within one-half mile radius of the proposed injection well.
- Describe procedures and devices to be used to control injection rate and pressure and for measurement of volume injected.

Upon receipt of the requested information public notice will be given followed with approval if no objections are received by this Division.

Sincerely,

Gil Hunt

UIC Geologist

mfp 0156U-8

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RECEIVED

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 (801) 533-5771 (RULE I-S & RULE I-4)

FORM NO. DOGM-UIC-1 (Revised 1982)

SEP 1 0 1565

DIVISION OF OIL GAS & MINING

an the matter of the application of Bow Valley Petroleum. Inc. Address P.O. Drawer 130	CAUSE NO.
ROOSEVELT. Utah ZIP 84066 ROOSEVELT SEC. 3 TWP. 15 RANGE 4W ROOSEVELT SEC. 3 TWP. 15 RANGE 4W	ENHANCED RECOVERY INJ. WELL DISPOSAL WELL LP GAS STORAGE EXISTING WELL (RULE 1-4)

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced reovery injections, disposal or LP

Gas storage operations.

2. That the applicant submits the following information.

Tidwell	Well No.	Field	County
A CR. Land Bearings	1-3A4	Altamont	Duchesne
Location of Enhanced Recovery Injection or Disposal Well NW.SE.	NE Sec	3 Twp.	1S
New Well To Be Drilled Yes No XX	Old Well To Be Conv Yes XX		raing Test (Will be) Yes XIX No Date
Depth-Base Lowest Known 3001 Fresh Water Within ½ Mile	Does Injection Zone (Oil-Gas-Fresh Water	Within 1/2 Mile YES [] NO	State What
Location of Altamont Injection Source(s) Duchesne Co	Field unty, Utah	and Depth of Source(s)	reen River 11,854'-12,546' Wasatch 13,604'-18,700'
Geologic Name of Injection Zone Uinta and	Upper GreenRive	Depth of Injection 8144 I Interval 7440 to	* 10 8 70 - 8677
	74401 b. Base of Free		vening Thickness (a minus b) 7140 '
is the intervening thickness sufficient without additional data?	to show fresh water will b	e protected YES X NO	
Lithelogy of Intervening Zones	Shale with sa	ndstone stringe	^S
Injection Rates and Pressures	Maximum	3000 1500	B/D PSI
The Names and Addresses of Those to	Whom Notice of Applicat	ion Should be Sent.	
*See attached	list.		
·			
lltah		C.L. Bucher Bow Valley	Petroleum, Inc.
State ofUtah)	C.L. Bucher Bow Valley	Petroleum. Inc.
County of Uintah Before me, the undersigne		Bow Valley ay personally appear	ad Bucker Bucker When being by me duly sworn o
County of Uintah Before me, the undersigne known to me to be the person verth states, that he is duly autherein, and that said report is	whose name is subscr thorized to make the true and correct.	Bow Valley ay personally appeare ibed to the above insti- above report and the	d Bucker rument, who being by me duly sworn out he has knowledge of the facts state
County of Uintah Before me, the undersigne known to me to be the person venth states, that he is duly au therein, and that said report is	whose name is subscr thorized to make the true and correct.	Bow Valley ay personally appeare ibed to the above insti- above report and the	d Bucker rument, who being by me duly sworn out he has knowledge of the facts state
County of Uintah Before me, the undersigne known to me to be the person to get he states, that he is duly gu	whose name is subscr thorized to make the true and correct.	Bow Valley ay personally appeare ibed to the above instruction above report and the above report and the above Expires	d Bucker rument, who being by me duly sworn out he has knowledge of the facts state

INSTRUCTIONS

- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known eil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to be surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface Conductor Casing	13-3/8" 9-5/8"	376' 7440'	434 sx 717 sx	Surface	Drilling Reports
Intermediate	7-5/8"	14205'	700 sx	12950'	Temperature Log
Production	5½"	8677'-18753'	1085 sx		
Tubing	2-7/8"	12991'	(Currently) Baker R-3" @ 12991		
Total Depth Geol	ogic Name - In nta and Uppe	. Zone Depth r Green River			- Base of Inj. Interval

*Production Liner 8677'-13667' ---- was cemented to top in early 1984 w/385 sacks of cement

*Production Liner 13667'-18753' ---- was originally cemented with 700 sacks of cement. Top by bond log (8-20-73) was about 16480' for 50% or more. Also very good cement at 13300'-13480'. Good cement at 13450'-13650'.

24 DOGMU	2						· · · · ·	ASE TYPE OR
	-, ,	EPARTMENT 80208 D	Ol MSi Roc	NATURAL ION OF OIL, Ion 4241 State Salt Lake City	efter drilling RESOURCE GAS, AND MIN Office Building Utah 84114	S AND EI ING 19	NERGY	COUNT LEASE N
			OW	PANY OFER. CE ADDRESS N ROOS	-	w Valle D. Drav	ver 130 ver 130 ver Utah	84066
TISS COM Single Zee Multiple Z			MATI	LOCATED 199 PT. H	NW & SE	73 Den 9-1-7: v NE 42 4:	LING PINISHE 3COMPLET	D <u>8-10</u> -19 <u>7</u> TED <u>3-27-7</u> OM WL OF W SE
CATION E					AAS ZONES	Name		om To
Green F	River	1305	2	13618				
Wasatch		1719	3	17902				
				CASING	& CEMENT			
	G	alog Sat	_		Cag. Tool		Comer	it Top
St.	Wgt.	Gredo	-	Foot	N	Sex		
13-3/8		K-55	\vdash	376'		434		Surface
9-5/8	70 7#	N-80	+	440'		717	14175'	12950'
7-5/8		S-95 L-80	+	1358'		700 1085		planation
51 ₂	20#,23	# P-110	$\mathbf{L}_{\mathbf{I}}$	10076		1000		Inage I)

Baker Model R @ 12991'

1: THIS FORM MUST ALSO BE ATTACHED WHEN PILING PLUGGING FORM DOGM-UIC-4

TOTAL DEPTH 18753

COMPLETION & TEST DATA BY PRODUCING FORMATION			
FORMATION	Wasatch	Green River	
SPACING & SPACING DRDER NO.			
CLASSIFICATION DISPOSAL WELL, ENHANCED IECOVERY, IP GAS STORAGE)			
PERFORATED	17445'-18613'	13052'-13618'	
	17193'-17902'	-	
INTERVALS			
7445-18613	20,000 15%HC1 20,000 7½%HC1	12,500 15%HCl	
7193-17902	28:888 15%HC		
PRACTURE TREATED?	168,000SuperE		
NITIAL TEST DATA			
Date	9-8-73	3-26-84	
Oil, bbl./doy	655	70.6	
Oil Gravity		F-7 .C8	CF.
Gas, Cu. Pt./day	840 m	57 n ²	
Gas-Oil Ratio Cu. Pt./Bbi. Water-Bbi./day	1282	807 332	
Pumping or Flowing	0		
CHOKE SIZE	Flowing 20/64"	Pumping	
FLOW TURING PRESSURE	600-400	2400	
Catie I Rucher	ne drilled through, and p	Sucker	/
i, the undersigned, being fire eccording to the records of the Telephone 722-5166	Bow Valley Catie L. Bu	Petroleum, Ind icher, Staff Er	igineer
Subscribed and sworn before	a-rd	d title of representative of	of company 14/285
Lay Committed on Exp Dog. 7, 1986		Sherry	Meleker

Formations Drilled Through:

Uinta Formation Top-- Approximately 5300' Green River Top-- Approximately 7960'



Bow Valley Petroleum Inc.

P.O. Drawer 130, Roosevelt, Utah 84066

RECEIVED

Telephone: (801) 722-5166 September 4, 1985

Division of Oil, Gas, & Mining **UIC** Department 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Ut 84180

SEP 1 0 12 65

DIVISION U. CHE GAS & Milher

RE: Disposal Well Application Tidwell 1-3A4 Section 3, T1S, R4W Duchesne County, Utah

ATTENTION: Gil Hunt

Gentlemen,

Enclosed please find an application to convert the above referenced well for use as a salt water injection well.

The well was drilled and completed in the Wasatch Formation in 1973. Wasatch production continued until March 1984, when the Green River and Wasatch were co-mingled. Cumulative production has been about 115,000 BO. Currently, the well is producing about 15 BOPD.

Bow Valley is proposing injection into the Upper Green River Formation, above the TGR3 marker, between 8144 and 8170 feet. This is above the current cement top at 12950 feet. The injection zone will be cemented for isolation following plug back of the existing perforations. A procedure is attached. The State will be provided with all cementing cement bond logs, casing integrity, and injection tests prior to beginning injection operations.

Injection rates and pressures will be controlled by surface pumps, rotary volume meters, and electronic tank level devices. Each system will have a settling tank, suction tank, filter system and emergency pit prior to injection operations.

All water analysis, both fresh water sources and disposal water sources, are enclosed or will be provided as soon as available.

Fresh water quality and wellbore integrity will be monitored regularly as required under state regulations.

If you require additional information please contact the undersigned. TAIKED to Michelle M.

Wort Survailing Persitables
all change on inj. internal
The cost get brook with

Sincerely,

Mike Rivera

Sr. District Engineer



Disposal Well Application Tidwell 1-3A4 Section 3, T1S, R4W Duchesne County, Utah

CONTINGENCY PLAN FOR WELL SHUT-INS OR WELL FAILURES:

- 1. If the injection well is shut in for testing, acidizing or other reasons, disposal fluids will be hauled by truck to approved disposal facilities.
- 2. If it is discovered that fresh water sources are being affected, injection operations will cease immediately and the well shut-in. Pressure testing, production logs, work-overs, and chemical analysis will be performed to dertermine if the well can be repaired. If well integrity cannot be quaranteed operations will cease and the well will be plugged and abondoned.
- 3. If a well failure is detected by surface control devices, the same proceedures outlined above will be performed until the repairs are made.



August 12, 1985

Tidwell 1-3A4 Salt Water Disposal Workover Procedure

1. MIRUSU. Bleed pressure off well. NDWH NUBOP.

2. Release Baker Model R-3 - dbl grip pkr @ 12,991'. POOH w/ 209 stds 2-7/8,

6.5# N-80 tbg. Stand back tbg.
3. RU wireline Co. Run GR-CBL-CCL log from 8800 to 7800' or cmt top. If cmt top is below 8250' run free pt indicator. (7-5/8", 29.7# S-95 csg) Set CIBP in 5½" liner @ 8700' and dump 2 sx cmt on top. If pipe is free below 8200' shoot off and pull 7-5/8" csg. LD csg.

4. PU, float shoe 1 jt 7-5/8" csg, float collar and 7-5/8" csg. RIH and land csg @ 8200'±. Cmt w/ 350 sx Class "H" neat. (cement top to be above 7500')

5. If csg is not free; perforate 4 sqz holes @ 8300'. PU 7-5/8" OD cmt retainer. Set @ 8250' on 2-7/8 N-80 tbg. Sqz cement 7-5/8 X 11" annulus w/300 sx Class "H" neat. (annular volume 274ft 3) Sting out of retainer and reverse out excess. WOC 12 hrs. Pressure test retainer and cement to 2000 psi. POOH w/ 2-7/8 N-80 tbq. CD all tbq.

6. RU wireline company run CBL-CCL from PBTD (8250') to cmt top (approximately 7500') If cmt is good, rig up and perforate the following GR interval

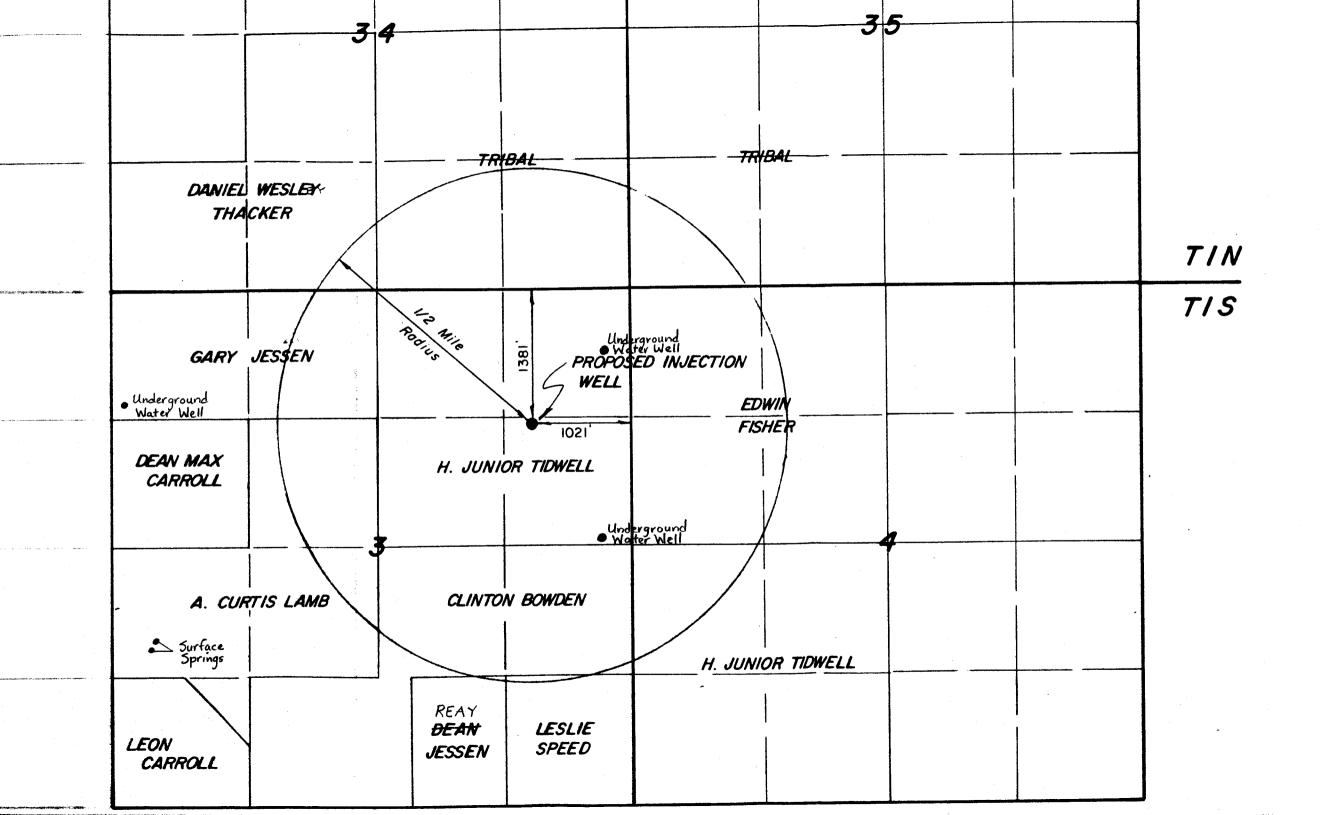
(8144-8170') use 4" csg gun 2SPF with 28 gram charges.

7. PU redressed Baker Model R-3 dbl grip pkr and new string of 2-7/8, K-55, 6.5#, 8 rd EUE, plastic coated tbg. Set pkr @ 8100'±. Pump test into zone w/ 500 bbls field brine wtr. Check rate and pressure.

8. Acidize disposal zone with 5000 gals of 15% HCL with normal GR additives.

over flush w/ 2000 bbls of brine wtr. Check for rate and pressure.

9. RDMOSU. Prep to install surface facilities





August 12, 1985

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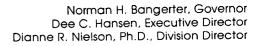
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355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 3, 1985

Newspaper Agency Legal Advertizing Mezzanine Floor 143 South Main Salt Lake City, Utah 84111

Gentlemen:

RE: Cause No. UIC-069

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the $\frac{11\text{th}}{\text{October}}$ day of $\frac{\text{October}}{\text{October}}$. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340 Ex. 5296.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours, DIVISION OF OIL, GAS AND MINING

MARGORIE L. ANDERSON

Administrative Assistant

mfp 0045A

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

---00000---

IN THE MATTER OF THE APPLICATION

OF BOW VALLEY PETROLEUM, INC.,

FOR ADMINISTRATIVE APPROVAL OF

THE TIDWELL #1-3A4 WELL, LOCATED

IN SECTION 3, TOWNSHIP 1 SOUTH,

:

IN SECTION 3, TOWNSHIP 1 SOUTH, RANGE 4 WEST, DUCHESNE COUNTY, UTAH, AS A SALTWATER DISPOSAL

WELL

---00000---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Bow Valley Petroleum, Inc., P.O. Drawer 130, Roosevelt, Utah 84066, has requested administrative approval of the Tidwell #1-3A4 well, located 1381' FNL and 1021' FEL (SENE) of Section 3, Township 1 South, Range 4 West, Duchesne County, Utah as a saltwater disposal well.

The proposed operating data for the well is as follows:

Injection Interval: Uinta and Upper Green River Formations 8144' - 8170'

Maximum Estimated Surface Pressure: 1500 psig Maximum Estimated Gas Injection Rate: 3000 BWPD

Approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 2nd day of October, 1985.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

Hamolewan

CAUSE NO. UIC-069

MARJORIE L. ANDERSON Administrative Assistant





RECEIVED

Telephone: (303) 861-4366 Telecopier: (303) 832-3825

Telex: 45-0033

OCT 1 5 1985

DIVISION OF OIL GAS & MINING

October 9, 1985

State of Utah Division of Oil, Gas and Mining 355 West North Temple, Suite 350 Salt Lake City, UT 84180

Attention: UIC Manager

Re: Tidwell 1-34A

Sec. 3-T1S-R4W Duchesne Co, UT

Gentlemen:

Bow Valley is in receipt of your letter dated October 2, 1985, granting approval of Salt Water injection for the above referenced well.

Bow Valley hereby gives notice that workover operations and conversion will not commence until after January 1, 1986.

If you have any questions, please contact the undersigned.

Sincerely,

BOW VALLEY PETROLEUM INC.

Mike Rivera

Sr. District Engineer

MR/bb

cc: Mark Wagner

Chuck Gardner

Land

AFFIDAVIT OF PUBLICATION

County of Duchesne,		SS.
STATE OF UTAH	(22

My commision expire Y COMMISSION EXPIRES MARCH 1. 1987

Publication fee, \$.....

Notary Public.

PUBLIC NOTICE CAUSE NO. UIC-069

BEFORE THE DIVISION OF OIL GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH,

IN THE MATTER OF THE APPLICATION OF BOW VALLEY PETROLEUM, INC., FOR ADMINISTRATIVE APPROVE OF THE TIDWELL NO. 1-3A4 WELL, LOCATED IN SECTION 3, TOWNSHIP I SOUTH, RANGE 4 WEST, DUCHESNE COUNTY, UTAH, AS A SALTWATER DISPOSAL WELL.

THE STATE OF UATH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MAT-TER.

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DATED this 2nd day of

October, 1985

DIVISION OF GIL,
GAS AND MINING
Marjorie L. Anderson
Administrative Assistant
Administrative Assistant
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Machistrative Assistant
Administrative Assis

1985.

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DIVIC

Publication was sent to the following:

Uintah Basin Standard Legal Advertizing Roosevelt, Utah 84066

Newspaper Agency Mezzanine Floor Legal Advertizing 143 South Main Salt Lake City, Utah 84111

Bureau of Land Management Consolidated Financial Center 324 South State Street Salt Lake City, Utah 84111-2303

Badger Oil Corporation PO Drawer 52745 Lafayette, Louisiana 70505

Gulf Oil Corporation PO Box 2619 Casper, Wyoming 82602

Bow Valley Petroleum, Inc. 1700 Braodway, Suite 900 Denver, Colorado 80290

Ladd Petroleum 830 Denver Club Building Denver, Colorado 80202

Utah State Department of Health Water Pollution Control Attn: Loren Morton 4241 State Office Building Salt Lake City, Utah 84114

U.S. Environmental Protection Agency Suite 1300 Attn: Mike Strieby 999 18th Street Denver, Colorado 80202-2413

Edwin C. Fisher Altonah, Utah 84002

Leslie Speed Route 2, Box 69 Altonah, Utah 84002

Clinton Bowden Altonah, Utah 84002

Reay Jessen Altonah, Utah 84002

A. Curtis Lamb 850 W. 3000 South Vernal, Utah 84078

Gary Jessen Altonah, Utah 84002

H. Junior Tidwell Altonah, Utah 84002

Ute Indian Tribe Fort Duchesne, Utah 84026

Daniel Wesley Thancker Altamont, Utah 84001

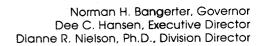
Dean Max Carroll Altonah, Utah 84002

Thaomas K. Gray Duchesne, Utah 84021

John D. Chasel PO Box 383 Roosevelt, Utah 84066

Bow Valley Petroleum, Inc. PO Drawer 130

Roosevelt, Utah 84066 Markagne Toulson October 3, 1985





355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 10, 1985

Bow Valley Petroleum, Incorporated P.O. Drawer 130 Roosevelt, Utah 84066

Gentlemen:

RE: Objection to Approval of Tidwell 1-3A4 as a Salt Water Disposal Well

We are sending a copy of a letter received in this office October 8, 1985 objecting to the above mentioned well being converted to a salt water disposal well.

In light of this objection we cannot go ahead with the approval process unless this application is taken to hearing and the Board of Oil, Gas and Mining gives permission to continue.

Please advise the Division as to your wishes.

Mailagne Louben

Marlayne Poulsen UIC Secretary

mfp 0012U-24

RECEIVED

OCT 0 8 1985

Division of Oil, Gas and Mining Attention: UIC Program Manager 355 West North Temple, 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 DIVISION OF OIL GAS & MINING

I am writing to object to having the Tidwell #1-3A4 Well, Section 3, Township 1 South, Range 4 West, Duchesne County, Utah, a saltwater disposal Well. If the Mineral Rights are released so we can lease them again, I might agree to a disposal Well, if it also pays for the disposal well usage.

A. Curtis Lamb

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

---00000---

IN THE MATTER OF THE APPLICATION : OF BOW VALLEY PETROLEUM.INC..

CAUSE NO. UIC-069

OF BOW VALLEY PETROLEUM, INC., FOR ADMINISTRATIVE APPROVAL OF THE TIDWELL #1-3A4 WELL, LOCATED IN SECTION 3, TOWNSHIP 1 SOUTH, RANGE 4 WEST, DUCHESNE COUNTY, UTAH, AS A SALTWATER DISPOSAL WELL

---00000---

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The proposed operating data for the well is as follows:

Injection Interval: Uinta and Upper Green River Formations 8144' - 8170'

Maximum Estimated Surface Pressure: 1500 psig Maximum Estimated Gas Injection Rate: 3000 BWPD

Approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 2nd day of October, 1985.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

MARJORIE L. ANDERSON Administrative Assistant 10/15/85

BOW VALLEY # 5. W. Nams 1-2183

CHECKLIST FOR INJECTION WELL APPLICATION

UIC Forms	
Plat	
Surface Owners and Lease Holders	
Schematic Diagram	
Frac Gradient Information	Below .75 Psi/ft
Pressure and Rate Control	Prod. worten
Fluid Source	prod. water Grank tunsatch
Analysis of Injected Fluid	
Geologic Information	
USDW in the Area	will were to sund
Analysis of Injected Formation	No
Contingency Plans	
Mechanical Integrity Test	During aretornes Shouldn't be necessary
Aquifer Exemption	Shouldn't be necessary

SAF 10/15/85

2 Andyses 253W (10) see. 4 Shell 1-453 Rost et Al 30\$\$ To Sulme zone 7 pure 3560-Shull #2-483 HAMSEN TP SAlme 7908 ->78 TD 4/65 From Mark Longson

RECEIVED

CC: ML Anderson RJ Firth Orig to CB Feight

OCT 0 9 1985

DIVISION OF OIL GAS & MINING

October 7, 1985

Division of Oil, Gas & Mining Attention: UIC Program Manager 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Dear Sirs;

I received a letter stating that Bow Valley Petrolem Inc., has applied for the right to make a Salt Water Disposal Well, out of the Tidwell #1-3A4 Well.

My land is located just below the Tidwell 1-3A4, and I don't want the chance of over flowing or the stench which comes from Salt Water Disposals. I am objecting that a Salt Water Disposal Well be made. I would appreciate it if you would take this into consideration. Please do not grant Bow Valley permission to build a Salt Water Disposal Well. Thank You

Sincerly blinton Bowden

Clinton Bowden Star Rt 2 Box 68 Altonah, Utah 84002





ATTENTION:

Marjorie L. Anderson

DIVISION OF OIL, GAS & MINING ATTENTION: UIC PROGRAM MANAGER 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

CC' ML AMDERSON

RI FIRTH

Orig- CB Feight

RECEIVED

OCT 1 0 1985

JIVISIUN UF OIL GAS & MINING October 8, 1985

Division of Oil, Gas & Mining Attention: UIC Program Manager 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Dear Sirs;

I received a letter stating that Bow Valley Petrolem Inc., has applied for the right to make a Salt Water Disposal Well, out of the Tidwell #1-3A4 Well.

My land is located just below the Tidwell #1-3A4, and I don't want the chance of over flowing on to my property, or the stench which comes from Salt Water Disposals. I am objecting that a Salt Water Disposal Well be made. I would appreciate it if you would take this into considuration. Please do not grant Bow Valley permission to build a Salt Water Disposal Well.

Thank you.

Sincerly.

Sertie Speed

Saslie Speed St Rt 2 Box 69 Altonah Which 84002

201 9 C 1985 8400V

US, 21

ATTENTION:
Marjorie L. Anderson

DIVISION OF OIL, GAS & MINING ATTENTION: UIC PROGRAM MANAGER 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

CC: ML ANDERSON

RIFITH

October 7, 1985

Orig: CB FERALT

RECEIVED

Division of Oil, Gas & Mining Attention: UIC Program Manager 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

OCT 09 1985

JIVISION OF OIL GAS & MINING

Dear Sirs;

I am writing to you in response to the notification I received regarding Bow ValleyPetrolem Inc., proposal to make a Salt Water Disposal Well out of the Tidwell #1-3A4. Well. Located inSectiom 3, Township 1 South, Range 4 West, Duchesne County.

I am the property owner on which this well is located. I can not tell how strongly I feel against this proposal. I definitly do not want a Salt Water Disposal Well, made out of this well. If they (Bow Valley) do not intend to produce oil from this well, I want it capped and cleaned up and put back to it's oringal condition.

There is too much mess involved with Salt Water Disposals. I have worked around oil field situations, and I know that they are fameous for pumping far too much salt water into the wells at a time, as a result the over flow and ruin the ground. I don't want my ground ruined or the trucks being in on my property at all hours of the day and night.

I hope you take my objection to this proposal into consideration and deny Bow Valley's application for a Salt Water Disposal Well.

Thank You.

Sincerely

Junior Tidwell Star Rt. 2 Box 61 Altonah, Utah 84002

00T 8 C A A M C 1985 7

ATTENTION:

Marjorie L. Anderson

DIVISION OF OIL, GAS & MINING ATTENTION: UIC PROGRAM MANAGER 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203



25.5 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 18, 1985

Bow Valley Petroleum, Incorporated P.O. Drawer 130 Roosevelt, Utah 84066

Gentlemen:

RE: Objection to Approval of Tidwell 1-3A4 as a Salt Water Disposal Well

We are sending copies of the letters received in this office October 9 & 10, 1985 objecting to the above mentioned well being converted to a salt water disposal well.

In light of this objection we cannot go ahead with the approval process unless this application is taken to hearing and the Board of Oil, Gas and Mining gives permission to continue.

Please advise the Division as to your wishes.

Sincerely,

Marlayne Poulsen

UIC Secretary

afp 0012U-25

Telephone: (303) 861-4366 Telecopier: (303) 832-3825

Telex: 45-0033

October 22, 1985

State of Utah
Natural Resources
Oil Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180

Attention: Marlayne Poulsen

RECEIVED

OCT 2 4 1985

DIVISION OF OIL
GAS & MINING

Re: Tidwell 1-3A4

Salt Water Disposal Application

Gentlemen:

Bow Valley acknowledges receipt of your letter of October 18, 1985. At this time Bow Valley will not build a Salt Water Disposal facility at this location. However, Bow Valley reserves the right to petition the Board for a hearing after January 1, 1986.

Sincerely,

BOW VALLEY PETROLEUM INC.

Mike Rivera

Sr. District Engineer

MR/bb



Telephone: (303) 861-4366 Telecopier: (303) 832-3825

Telex: 45-0033

October 24, 1985

State of Utah Natural Resources Division of Oil, Gas & Mining 355 W. North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 RECEIVED

COCI 8 5 1200

Attention: Ms. Marlayne Paulsen

Underground Injection Control Secretary

DIVISION OF OIL GAS & MINING

RE: APPROVAL OF TIDWELL #1-3A4 WELL AS A SALT WATER DISPOSAL WELL

Dear Ms. Paulsen:

Bow Valley Petroleum Inc. does not wish to bring this subject before the Board of Oil, Gas, and Mining at this time. Due to the number of landowner objections and due to the changing of company policies and directions, we feel that it would be imprudent to pursue this application.

Would you please be kind enough to continue this application, if possible, and Bow Valley will inform you when we desire to proceed on this application. In any event, no action will be taken by us prior to mid-1986.

Should there be any problems or questions, please do not hesitate to contact me at your convenience. Thank you for your kind attention and cooperation in this matter.

Yours very truly,

BOW VALLEY PETROLEUM INC.

David A. Gomendi

Manager, Drilling & Production

il Romendo

DAG:jb

cc: Mr. H. James Tidwell Altonah, UT 84002

cc: S. R. Gray J. R. Young

Mr. Leslie Speed Route 2, Box 69 Altonah, UT 84002 Mr. Clinton Bowden Altonah, UT 84002

			EDIDI		
	STATE OF UTA	н	BIBMIT IN TRIPI (Other instructions verse side)		5. LEASE DESIGNATION AND SERIAL
611/100/	CONSERVATION	COMMISSION	verse side;		N/A
			N. (EL) 6		6. IF INDIAN, ALLOTTEE OR TRIBE
SUNDKY	Y NOTICES AND I	REPORTS ON	WELLS		. N/A
(Do not use this form Use	for proposals to drill or to "APPLICATION FOR PERM	IT-" for such propos	als.)		N/A
					7. UNIT AGREEMBNT NAMB
Marr A Marr	OTHER				N/A 8. FARN OB LEASE NAME
NAME OF OFERATOR					
Bow Valley	Petroleum, Inc.				TIDWELL 9. WBLL NO.
ADDRESS OF OPERATOR	10014	11+ab 04066			1-3/4
P.U. Drawe	r 130, Roosevelt,	rdance with any Stat	e requirements.*		10. FIELD AND POOL, OR WILDCAT
Boe also space 17 below.) At surface	TOTAL COLUMN WITH THE COLUMN		•		Altamont, Wasatch
2					11. BBC, T., B., M., OR BLE. AND SURVEY OR ARBA
1381' FNL,	1021' FEL, SE NE	•			
					Sec. 3, T1S, R4W
4. PERMIT NO.		(Show whether DF, RT,	OR, etc.)		12. COUNTY OR PARISH 18. STATE
43-013-30208	6960'	Ung GL			Duchesne Utah
B. (Check Appropriate Box	To Indicate Natu	re of Notice, Repo	ort, or C	Other Data
		1			TENT REPORT OF:
MOTICI	B OF INTENTION TO:				ـــــ
TEST WATER SHUT-OFF	PULL OR ALTER CA	BING	WATER SHUT-OFF		RETAIRING WELL ALTERING CABING
FRACTURE TREAT	MULTIPLE COMPLET	re v	FRACTURE TERATME		ABANDONMENT*
SHOOT OR ACIDIZE	ABANDON®	 	SHOUTING OR ACID!		
REPAIR WELL	CHANGE PLANS	 	(Other)(Note: Report	t results	of multiple completion on Well letion Report and Log form.)
(Other)	(Classical Control of	hand all problems du	tulls and slap pertine	nt dates	including estimated date of starting all depths for all markers and sones
	MIRUSU. ND wellhead. well w/diesel & form wt Release 5½" 20# Baker R	r to c/o paraffin	to 8577'.	(100° 70# csg	Spot 200' cmt plug up in 5½" 20≠ & 100' in ¡). Liner top @ 8677'. D≠.
2	12991'. Measure out of TIH w/open-end tbg. Tag		11. LD tha to	5077'.	Test csg to 2000#. Spot
J.	in top of Baker #40-30	anchor seal assy	100' cmt	ojna nb	to 4977.
	<pre>w/bull plug bottom. Spot 50' cmt plug f/159</pre>	010' up +o 15970'	12. LD tbg to 100' cmt p	1477'.	Test csg to 2000#. Spot
	ID the to above cmt top		13. LD tbg to	60'. T	est csg to 2000±. Spot
	or minus mud up to 1305 River perfs.	2', top of Green	50' cmt p'	lug up t	to 10'.
6	POOH LD the to 13000'.	Continue out of	14. LD tbg.) F (O) -	
0.	hole. Std pipe in derr				sg w/ 100' plug.
7.	Set on the Halliburton				csg w/ 100' plug.
	ical set ret @13000'. (13618'). Test tbg to 30		17. ND BOP. 1		*
	$7-5/8$ " & $5\frac{1}{2}$ " to 2000#.	_	Install di		4' below ground level. marker.
	Enat EO' amt plug holos	ret & 50' above	19. Reclaim lo	cation	as per land owner agree-
8.	ret. (plug 12950) to 13	3050').	ment.		as per rane owner agree
		. Turn hole			as per faire since agree
9. 18. I hereby certify that the	ret. (plug 12950° to 13 LD the to above cmt top over w/9# plus or minus 7-5/8" 7 5½" to 2000#.	t Turn hole	ment.		
9.	ret. (plug 12950° to 13 LD the to above cmt top over w/9# plus or minus 7-5/8" 7 5½" to 2000#.	t Turn hole			DATE2-10-87
9. 18. I hereby certify that the	ret. (plug 12950' to 13 LD tbg to above cmt top over w/9# plus or minus 7-5/8" 7 5½" to 2000#. foregoing is true and correc LL Mecham	t Turn hole	ment. Technician	 PRO\	
9. 18. I hereby certify that the BIGNED Tichelle (This space for Federal CAPPROVED BY	ret. (plug 12950' to 13 LD the to above cmt top over w/9# plus or minus 7-5/8" 7 5½" to 2000#. foregoing is true and correc li Hecham or State office use)	t Turn hole	Technician		DATE 2-10-87
18. I hereby certify that the SIGNED Hichelle (This space for Federal of	ret. (plug 12950' to 13 LD tbg to above cmt top over w/9# plus or minus 7-5/8" 7 5½" to 2000#. foregoing is true and correc lecham or State office use)	t TITLE ENG.	TechnicianAP)F U	

2-7-87 6960 engrades ground TIDUELL # 1-3A4 SEC. 3, TIS, RAW ALTAMONT FIELD DUCKESHE COUNTY, UTAN

Spuo DATE: 3-6-73 366 13 8" .68# K-55 STOC 810. (3-9-73) CMT, of 217 3KS. POZ & 217 3KS, "A"

7440 93 40 9 \$ 40# 5-95, N-80, J-55 & M-80 CMT. W 417 SKS. LITE + 300 SKS, POZ. CMT. DOWN 13 8" CSP. W/ 150 SKS.

1-9-84

THE SNO. "TOW! BOTTOM of 8677 CMT. UJ 385 3KS. "H". 13,073. 1-29-84 C/0 TO B.P. @ 13,720 TEST 10,199-10,229 7-14-74 SWEDGE 78" (50, of 62"0.0, 5w EDGE.

10,199-10,229 7-14-74 SWEDGE 78" (50, of 62"0.0, 5w EDGE.

10,199-10,209 7-14-74 RAN, C30, CALIPUT, POSSABLE INTE

7-29-18-3-74 SECUTI UP 1000 SKS, "B". TEST TO 18004.

3-10-84

13,052-13,618 REPUBS. BALLET ALUER 62'-201 PERS.

12,950 CANT. TOP - PAN CB1-28 CS2.

13,667 LINUT TOP. 28 33.70# x 52" 234

13,667 LINER TOP. 78 33,70# X 52 23#. CMT.

UJ 700 SKS. (T/W)

14,150 RAN TEMP. - LOS ON 52" CSS. CMT. 70P

6-1-23 14,205 78" 29.7# 5-95 Sonf. ___ 11,358 800. 11 33.74 5-95 11,358 - 14, 205 BUTTHUSS CMT, of 450 3/83.

2-14-84 30 BAKER # 43-30 F-1 PKR.

15,914 2,51', MO EXT. 5.60', XOLER 4"X2%" .56',
27/9" ELL 300, 6.50 # N-80 pup OT, 6.08', 231"
"F" NIPPLE .95', pup OT, AS ABOLE 4.15;23"

BAKER purp out alk VALUE, .87', 20.71'

707AL 19. 2-15-84

17,193'-17,829' pends wasnot u'i - 14: penss. 18-30-23 + 2-15-84 TOTAL WASATOL pends. 87' 181 ponss.

2-13-84 SET BAKEN MODEL "F" BRIDGE PLY, ON WINELINE. 17,966

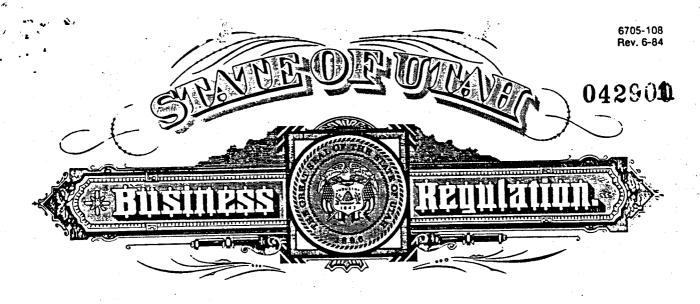
18,613 - 17,445 pens. wart 40'-40 pens.

8-13-23

18,752 52" 23 # PILO LINEM. CMT. uf 300 18,760' TID.

3-10-84 CREEN NILES 13,052 ---13,618'---6)'-201 ports.

ASSY. SET MY PKN. @ 15, 944 shear collar



AMENDED CERTIFICATE OF AUTHORITY OF

GW	PETROLEUM	INC.

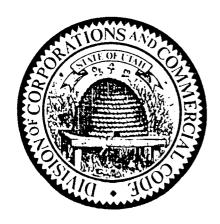
The Department of Business Regulation, Division of Corporations and Commercial Code, pursuant to the <u>Utah Business Corporation</u> Act, hereby issues an <u>Amended Certificate</u> of Authority to GW PETROLEUM INC., formerly BOW VALLEY PETROLEUM INC.

to transact business in the State of Utah.

File No. #79959



DIVISION OF OIL. GAS & MINING



Dated this	23rd	day of
Februa	ary	A.D. 19 .87

Director, Division of Corporations and Commercial Code

File Duplicate Originals

Filing Fee: \$25.00

APPLICATION FOR

AMENDED CERTIFICATE OF AUTHORITY

OF

1937 FEB 23 PM 2: 28

ward F

, , ,

BOW VALLEY PETROLEUM INC.

To the Division of Corporations and Commercial Code State of Utah

Pursuant to the provisions of Section 16-10-14 of the Utah Business Corporation Act, the undersigned corporation hereby applies for an Amended Certificate of Authority to transact business Utah, and for that purpose submits the following statement:

FIRST: A	Certificate	of Authority was issued to the corporation by your office on
December 19,	, 1	g 78 , authorizing it to transact business in your State.
SECOND:	The corpor	ate name of the corporation has been changed to
	GW	PETROLEUM INC.

THIRD: The corporation will use the changed name hereafter in Utah.

FOURTH: It desires to pursue in the transaction of businesss in Utah other or additional purposes than those set forth in its prior Application for a Certificate of Authority, as follows:

No change

Dated ______, 19 87____.

Notes: 1. If the corporate name has not been changed, insert "No Change".

2. If no other or additional purposes are proposed, insert "NO Change".

Under penalties of perjury, we declare that this application for Amended Certificate of Authority has been exmined by us and is, to the best of our knowledge and belief, true, correct and complete.

Send completed forms to: STATE OF UTAH Department of Business Regulation Div. of Corporations & Commercial Code 160 E. 300 South / P.O. Box 5801

APR 27 1987

DIVISION OF OIL, GAS & MINING

G W PETROLEUM INC.

Precident or Vice President

Secretary or Assistant Secretary

)	0909	901
	STATE OF UTAH ONSERVATION COMMISSION	81'BMIT IN TRIPLICATE® (Other instructions on re- verue side)	6. LEASE DESIGNATION Fee	<u>POu</u>
SUNDRY N	OTICES AND REPORTS (proposals to drill or to deepes or plug b PLICATION FOR PERMIT—" for such p	ON WELLS back to a different reservoir. roposals.)	N/A	
OIL A GAB OTH			7. UNIT AGREEMENT NA N/A 8. FARM OR LEASE NAM	
GW Petroleum,	Inc.	 	Tidwell	
4. LOCATION OF WELL (Report local Bee also space 17 below.) At surface	30, Roosevelt, Utah 840 fion clearly and in accordance with any 021' FEL, SE NE	Size requirements	1-3A4 10. FIRLD AND FOOL, OF Altamont 11. SDC., T., R., M., OR B. SURVEY OR ARBA Section 3, T1	S, R4W
14. PRRMIT NO. 43-013-30208	15. BLEVATIONS (Show whether de 6960' UnG		Duchesne	Utah
PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	Appropriate Box To Indicate Intention to: PULL OR ALTER CABING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other) (NOTE: Report result ('ompletion or Recom	REPAIRING TALTERING TALTERING CARANDONMEI	on Well
DEDDOMED WOLK. At wen in	ED OPERATIONS (Clearly state all pertiner directionally drilled, give subsurface locally 19. 1987 through May 31			and zones pert

1. MIRUSU. ND wellhead. NU BOP.

as follows:

- Worked to release 5^{1} ₂" Baker r-3 pkr @ 12991' May 19 through May 28, 1987. Could not release pkr. Cut off tbg @ 12969' and left pkr in hole.
- 3. RIH w/ $5\frac{1}{2}$ " Baker cement retainer and set @ 12920'. Held 2000 psi for 5 min.
- Spot 200' 50/50 pozmix cement plug 13020'-12820'.
- 5. POOH, LD 4 Jts tbg. Reverse circ and displace hole w/ 480 bbls 9.5 ppg mud.
- POOH, LD 134 Jts 2-7/8" tbg to 8787'. Load hole w/ 12 bbls 9.2 ppg mud.
- Spot 200' 50/50 pozmix cement plug 8787'-8587'.
- POOH. LD stinger for cement retainer. PU & RIH w/ 7-5/8" csg scraper to 5100'.
- 9. Spot 100' 50/50 pozmix cement plug 5069'-4969'.
- POOH, LD csg scraper. RIH w/ 47 Jts 2-7/8" tbg to 1465'. Load hole w/ 9.5 ppg mud.

- 11. Spot 100' 50/50 pozmix cement plug 1465'-1365'.
- 12. Fill hole w/ cement from surface to 60' down 7-5/8" csg.
- Pump 100' cement plug between 7-5/8" and 9-5/8"
- 13-3/8" csg had already been cemented to surface when the well was drilled, therefore this step was eliminated.
- 15. RDSU and move to yard. Install dry hole marker.
- Reclaim location as per landowner agreement.

NOTE: Above plugs were witnessed by Mr.Deputy, Utah Oil & Gas Conversation Commission.

Copy of complete plugging report chron sheets

SIGNED Withelle A Decham TITLE Eng. Technician	DATE 7-28-87
(This space for Federal of State office use)	DATE
CONDITIONS OF APPROVAL, IF ANY: OF UTAIN PIVISION OF CONDITIONS OF APPROVAL, IF ANY: OH GAS, AND MINING	SEP. 4 1987
OATE John San Instructions of Reverse Side	CIVISION OF OIL

Bai VALLEY DEFECTEUM TOC.
TICHELL * 1-314 (PING & AbrOCK)
DICHESUE CONNY, UHAL

366,	000000000	(60' ant plug Between 756' \$ 958" (Supt. to 100)
	000000000000000000000000000000000000000	100' Cont. Phy (1365' - 1,465') 746"
9% 40*	, a	
7440'		
• .		and the second s
	munin	
, a casa a sagaran e e e e e e e e e e e e e e e e e e e	\$ 00 000000 C	100' Cont. plug (4,969'- 5,069') 758°
746" E9" 33"		
	200000	200' and plang Access LINER (8,587- 8,787) 7% 154
	422. Mg	100'Cat plug about Cat. Detainte Ste
		Str. Behar Cont. Betainer 12980
5½" 20° 8,677'-18,752'	60 600	100' plus and plug below Techniser 5th
	0€ 000	5th P.3 ptc. 4/ 1 pt. They. Propo Country # 6 pc. They.
	1.	
	XX	5th" F-1 par 15,910'
	; ;	
		St. C.I.B.P. 17966' (2-13-84)
	<u>.</u>	



GW Petroleum Inc.

\$9,835.

5-28-87 Day 10

ě

TIDWELL : SEC 3-T1S DUCHESNE	5-R4W	UT035 GWPI WI 50.131150 UTAH	
AFE No. 6	90008	WORKOVER	Page 1.
5-19-87	Day 1	PO: MIRU SU. NDWH, NUBOP. Attempt to re 5½" Model R-3 double grip retrievable csg with no success. RU slickline truck. RIH standing valve. POOH. RD slickline truck well equalize during night. DC: \$6,166; CGWPI Est. Cost: \$3,091.	okr @ 12,991' to equalize - SDEN & letting
5-20-87	Day 2	PO: 7:00A.M. zero psi on well. Work tubir up to 130,000#. RU slickline truck. Attenstanding valve. No success. RD slickline fm wtr dwn csg w/bypass on pkr closed. Ope Work tbg from 80,000 to 130,000# while rotapkr intermittently. Could not jar pkr loos DC: \$2,162; CUM: \$8,328; GWPI Est. Cost: \$	mpt to fish truck. Pump 80 bbl n bypass on pkr. sting mandrel in se. SDFN @ 6:00 P.M
5-21-87	Day 3	PO: Zero psi on well. Work tbg 80 to 130 Had engine problem on rig. SDFD; DC: \$0; GWPI Est. Cost: \$4,175	
5-22-87	Day 4	PO: 7:00 A.M. zero psi on well, work tbg 45 release pkr. RU swabs. Swab 100 bbls fm w FL last run 2400'. Fluid entering from bel Work tbg 45 min, unable to release pkr. Pt chemical cutter for 2-7/8" tbg cutting @ 12 ment (15' up on jt above pump cavity. POOH w/90 stands 2-7/8" tbg. SDFN @ 7:30 PM. CUM: \$11,907; GWPI Est. Cost: \$5,969.	vtr.FL run @ 1800'; low pkr. RU swabs. J DIA log. RIH w/ 2,956' wireline meas H. RD DIA log. POO
5=23-87	Day 5	7:00 am 0 psi on well. Come out of hole wi Hotoiling as necessary with 250° formation 2700 psi. Tubing pulling up to 100,000# (3 string wt). Lay down 13.7' x 2 7/8" chemic of tubing. Pick up and run in hole with 4 overshot, dressed with 2 7/8" grapple, full 4 1/2" bumper sub and oil jars to top of li Circulate well with 250° formation water. Spm. Continue circulating with hotoil truck am 5/24/87. Spot 30bbls diesel in bottom of Recover 240 BO. RD hotoiler. Secure well for DC \$3,838 CUM \$ 15,645; GMPI est cost \$7,88	water at 80,000# over cal-cut joint 3/8" Bowen coening ner at 8600'. FW at 7400 cuntil 1:00 of tubing.
5-24-87	Day 6	Shut down for weekend and holiday.	·• .
5-25-87	Day 7	Shut down for weekend and holiday.	
5-26-87	Day 8	Shut down for weekend and holiday.	-
5-27-87	Day 9	PO: 7:00 A.M. zero pressure on well. Con top of fish @ 12,956'. Wireline measureme truck. Circ hole clean w/250° fm wtr plus diesel. Rec. 130 bbls oil & diesel mix. @ 3:00 P.M., jar on same @ 40,000# overstr SDFN @ 7:00 P.M.; DC: \$3,974; CUM: \$19,619	nt. RU hot-gil 30 bbls 180 Latch onto fish ing wt. for 4 hrs;

PO: 7:00 A.M. zero psi on well. Continue jarring on fish for 4 hrs. Pump 100 bbls hot fm wtr dwn csg. Attempt to rel. overshot. Could not release - mandrel rotating in pkr. RU Dialog. RIH. Make chem cut @ 12,969' (WL meas.). POOH. RDWLU. POOH w/417 jts 2-7/8" tbg. LD oil jars, b.s., overshot, and 13' piece of 2-7/8" cut off tbg. SDFN. DC: \$4,950; CUM: \$24,569. GWPI Est. Cost: \$12,316.

Chuch michelles

GW Petroleum Inc.

TIDWELL #1-3A UT035 SEC 3-T1S-R4W DUCHESNE COUNTY, UTAH AFE No. 69C008 GWPI WI 50.131150

WORKOVER

Page 2.

5-29-87 Day 11

PO: 7:00 A.M. zero pressure on well. Baker on location, Halliburton on location, and Rolling mud tanks. PU Baker 5½" cmt retainer. RIH on 2-7/8" 6.50# N-80 8rd EUE tbg. Run in w/416 jts. Set retainer @ 12,920' K.B. meas. Press tst tbg to 3,000 psi for 5 min. Held okay. (FL @ 3055' 17.7 bbls) load backside w/76.7 bbls Green River fm wtr. Press tst to 2,000 psi for 5 min, held okay. Establish injection rate below retainer @ 2 BPM, 2500 psi. Release from retainer to spot plug as follows: pump 10 bbls fresh wtr ahead, pump 10 sxs 50-50 poz w/2% gel (4.5 bbls) followed by 10 bbls fresh wtr. Displace w/66 bbls GR fm wtr. Sting into retainer & continue displacement @ 8 BPM, 200 psi w/additional 8 bbls. PU out of tool & dump 2.7 bbls (100' cmt) on top of pkr. (Calc. 2.7 bbls - 100' cmt below retainer & junk) btm plug @ 13,020'; top @ 12,820'. Pull & LD 45 jts tbg as above. Rev circ & displace hole w/480 bbls 9.5#/gal mud. P00H & finish LD total 134 jts 2-7/8" tbg to 8,787'. RU Halliburton, check mud spoiled & weight now 8.9#/gal. SDFN; DC: \$4,325, CUM: \$28,894. GWPI Est. Cost: \$14,484.

5-30-87 Day 12

PO: 7:00 A.M. zero psi on well. Load hole w/12 bbls 9.5 ppg mud. Spot 200' cmt plug from 8787' to 8587'. P00H laying dwn 120 jts 2-7/8" EUE 8rd 6.50# N-80 tbg leaving tbg btm @ 5077'. Continue out of hole standing back tbg. LD stinger from cmt retainer. PU & RIH w/7-5/8" csg scraper to 5100'. Spot 100' cmt plug from 5069-4969'. P00H laying dwn 116 jts tbg. Stand back remaining 47 jts tbg. LD csg scraper. RIH w/47 sts tbs to 1465'. SDFN (all cmt 50-50 poz mix). DC: \$2,466, CUM: \$31,360. GWPI Est. Cost: \$15,721.

5-31-87 Day 13

PO: 7:00 A.M. zero psi on well. Load hole w/9.5 ppg mud press test hole to 2,000 psi. Held okay. Spot 100' cmt plug in csg from 1465' to 1365'. POOH laying dwn 45 jts 2-7/8" tbg, stand back 1 stand. RU floor. Remove BOP & dig out collar. Fill hole w/cmt from surface to 60' dwn 7-5/8" csg. Pump 100' plus plug between 7-5/8' & 9-5/8" csg. Could not get valve on 13-3/8" csg opened. RD Halliburton. RD SU & move to Larson #1-25 A1E. (note: all cmt used 50-50 poz mix). DC: \$11,506, CUM: \$42,866. GWPI Est. Cost: \$21,489.

6-1-87 Day 14

PO: Well P&A'd. Installing dry-hole marker & reclaiming location.

ė

STATE OF UTAH DIVISION OF OIL, GAS AND MINING CIL AND GAS INSPECTION RECORD

OPERATOR:

BOW VALLEY PETROLEUM, INC.

LEASE: FEE

WELL NAME: TIDWELL #1

API: 43-013-30208

SEC/TWP/RNG: 03 C1.0 S C4.0 W

CONTRACTOR:

CCUNTY: DUCHESNE

FIELD NAME: ALTAMONT

DRILLING/COMPLETION/WORKOVER:

APD WELL SIGN SAFETY

HOUSEKEEPING BOPE SURFACE USE PITS

PCLLUTION CNTL

OPERATIONS OTHER

SHUT-IN Y / TA _:

WELL SIGN N HOUSEKEEPING Y EQUIPMENT *

SAFETY

OTHER

ABANDONED: _ MARKER HOUSEKEEPING

REHAB

OTHER

PRODUCTION:

WELL SIGN

HOUSEKEEPING

EQUIPMENT *

FACILITIES *

METERING *

PCLLUTION CNTL

PITS

DISPOSAL

SECURITY SAFETY

OTHER

GAS DISPOSITION:

VENTED/FLARED

SOLD

LEASE USE

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:

TANKS IN DISREPAIR AS THE INSULATION IS COMMING OFF AND THE TANKS HAVE BEEN LEAKING AT THE SEAMS. HEATER WORKING.

REMARKS:

SITE ERUSHY.

ACTION:

CHECK LEAKS, UP GRADE SITE.

INSPECTOR: WILLIAM MOCRE

DATE: 10/29/86



STATE OF UTAH DIVISION OF OIL, GAS AND MINING OIL AND GAS INSPECTION RECORD



OPERATOR Bow Valley Petroleum	LEASE Tidwell-State
WELL NO J. Tidwell # 1	API 43-013-30208
SEC. 3 T. 1s R. 4w CONTRACTOR	
COUNTY Duchesne FIELD Altamont	
DRILLING/COMPLETION/WORKOVER: APD WELL SIGN SAFETY POLL. CONTROL	HOUSEKEEPING BOPE SURFACE USE PITS
OPERATIONS OTHER SHUT-IN / TA :	
WELL SIGN HOUSEKEEPING OTHER	EQUIPMENT* SAFETY
ABANDONED: MARKER HOUSEKEEPING	REHAB OTHER
PRODUCTION: WELL SIGN METERING* SECURITY HOUSEKEEPING POLL. CONTROL SAFETY	EQUIPMENT* FACILITIES* PITS DISPOSAL OTHER
GAS DISPOSITION: VENTED/FLARED SOLD	LEASE USE
LEGEND: Y - YES OR SATISFACTORY N - NO OR UNSATISFACTORY NA - NOT APPLICABLE *FACILITIES INSPECTED: Emergency pit	
REMARKS: This inspection was made by the request at this location. No problem was found with th	
ACTION: No further action is needed.	
TUCCEC	
INSPECTOR: Jimmie Thompson	DATE 2/12/86

STATE OF UTAH DIVISION OF OIL, GAS AND MINING OIL AND GAS INSPECTION RECORD

OPERATOR		Bow Valley	LEASE Fee	C3 ML-14014
WELL NO.		Tidwell#1	API <u>43-</u> c	013-30208
SEC. <u>3</u>		4W CONTRACTOR		
COUNTY	Duchesne	FIELD A(tamont	
A	'COMPLETION/WORK APD SAFETY OPERATIONS	KOVER: WELL SIGN POLL. CONTROL OTHER	HOUSEKEEPING SURFACE USE	BCPE PITS
1/ N	/ TA	: HOUSEKEEPING	-Y EQUIPMENT*	
ABANDONE D): Marker	HOUSEKEEPING	REHAB.	OTHER
N	DN: WELL SIGN METERING* SECURITY	HOUSEKEEPING POLL. CONTROL SAFETY	EQUIPMENT* PITS OTHER	FACILITIES*
GAS DISPO	DSITION: VENTED/FLARED	SOLD	LEASE USE	
LEGENI	D: Y - YES OR S N - NO OR UN NA - NOT APPI	ISATISFACTORY		
*FACTLIT	TES INSPECTED: "	T 1		1 ()
Triolex	shut In.	junks have no a	likes and no sends.	meter rading p
			en e	
REMARKS:				
ACTTON:			1	
ACTION:				
		•		
INSPECTO	R: Way W	loon		DATE _5-20-86

STATE OF UTAH DIVISION OF OIL, GAS AND MINING OIL AND GAS INSPECTION RECORD

LEASE: FEE OPERATOR: GW PETROLEUM, INC. WELL NAME: TIDWELL #1 API: 43-013-30208 SEC/TWP/RNG: 03 01.0 S 04.0 W CONTRACTOR: COUNTY: DUCHESNE FIELD NAME: ALTAMONT DRILLING/COMPLETION/WORKOVER: _ WELL SIGN _ WELL SIGN _ HOUSEKEEPING _ POLLUTION CNTL _ SURFACE USE _ BOPE _ APD _ SAFETY _ PITS OPERATIONS OTHER SHUT-IN _ / TA _: __ WELL SIGN __ HOUSEKEEPING _ EQUIPMENT * _ SAFETY __ OTHER ABANDONED: __ OTHER N HOUSEKEEPING N REHAB A MARKER WELL SIGN _ HOUSEKEEPING _ EQUIPMENT * _ FACILITIES *
METERING * _ POLLUTION CNTL _ PITS _ DISPOSAL
SECURITY SAFFTY PRODUCTION: _ WELL SIGN _ SAFETY _ OTHER SECURITY GAS DISPOSITION: __ VENTED/FLARED __ SOLD _ LEASE USE LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE*FACILITIES INSPECTED: **REMARKS:** WELL PLUGGED AND CUT OFF BELOW SURFACE WITH LEGALS ON PLATE WELDED ON TOP. SITE STILL NEEDS REHAB AND CLEAR OF EQUIPMENT. ACTION:

DATE: 06/24/87

INSPECTOR: WILLIAM MOORE

INSPECTOR: JL

DATE ASSIGNED: 900605 DATE COMPLETE: 901119 DEADLINE: 900805

OPERATOR :

NO135 : GW PETROLEUM, INC.

WELL NAME: TIDWELL #1

LEASE: FEE API : 43-013-30208

S: 03 T:

1.05 R: 4.0 w

COUNTY: DUCHESNE

FIELD: 055 : ALTAMONT

ACTION TYPE:

FOLLOWAUP***

ACTION REQUIRED:

ACTION TAKEN:

PF KEYS: (1) NO UPDT

(9) WELL DATA

(12) DELETE

(16) EXIT



STATE OF UTAH DIVISION OF OIL, GAS & MINING OIL AND GAS INSPECTION RECORD

OPERATOR GOLD PET INC.		LEASE	
WELL NO. Tidwell #1		API 43-00	3 30208
SEC. 3 T. 15 R. 4W CONTRACTOR			
COUNTY Duchesne FIELD Altaiment			
DRILLING (COMPLETION (HODICOVER)			
DRILLING/COMPLETION/WORKOVER: APD WELL S SAFETY POLL. OPERATIONS OTHER	IGN HOUS CONTROL SURF	SEKEEPING	BOPE
SHUT-IN/ TA:WELL SIGN HOUSEK	EEPING EQUI	PMENT*	SAFETY
ABANDONED: MARKER MOUSEKI	EEPING <u></u> REHA	AB.	OTHER
PRODUCTION: WELL SIGNHOUSEKIMETERING*POLL. (SECURITYSAFETY	CONTROL PITS		FACILITIES* DISPOSAL
GAS DISPOSITION:VENTED/FLARED SOLD	LEAS	E USE	· .
LEGEND: Y - YES OR SATISFACTORY N - NO OR UNSATISFACTORY NA - NOT APPLICABLE			
*FACILITIES INSPECTED: Loc, & P, +			
REMARKS: PEAd - Appare	1-1 10 11	7 /	
Loc Has Not Bean Chea	utly marks	ex 15e/6w	6 yours.
/ /			was Jank
2-Bun Baskets. etc Sty	/ kn (re) F	quip Cone	
ACTION: Pictures			
10101			
INSPECTOR: JZB		DATE: <i>//-/</i>	3-90
IN36/1			